

geometria situs

(2009-10)

James Saunders

geometria situs was commissioned by Südwestrundfunk for the Donaueschinger
Musiktag 2010

First performed by Sylvain Cambreling and the SWR Sinfonieorchester Baden-
Baden, Donaueschingen, 17 October 2010.

programme note

Geometria situs is the Latin term adopted for the study of the geometry of place, a field of mathematics which has become known as topology. Topology deals with the spatial properties of an object which remain constant when undergoing deformations such as compression or stretching, but not by cutting or gluing. Some objects may be deformed into each other; the classic example is a coffee cup and a donut, both of which feature a single hole. Topology is also referred to as flat sheet geometry.

In *geometria situs*, all players operate independently and have a series of pages, each of which features a sustained sound which undergoes a series of gradual changes of timbre and dynamic. Each change is cued by the conductor who marks them at irregularly spaced time points. The material is therefore stretched and compressed depending on its placement in the piece, such that the same material might be differently structured on each hearing.

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instrumentation

Instrumentation is flexible, but could comprise:

3 (3 d.pic), 3. (2 d.cor), 3 (3. d. bcl).3/4.3.3.2/timp.3perc/14.12.10.8.6

percussion required: bass drum, tam tam, vibraphone, crotales

All players will need at least one auxiliary instrument as determined by their selected pages. See below for information.

number of pages

conductor	5	percussion	24
starting cue	10	timpani	8
flute	21	blown tube	6
oboe	20	bowed plastic cup	5
clarinet	16	bowed polystyrene	5
bass clarinet	10	bowed wood	8
bassoon	18	coffee cup on surface	6
horn	24	violin	57
trumpet	18	viola	57
trombone	24	cello	60
tuba	12	double bass	46

Duration: up to 25 minutes.

preparation

geometria situs comprises a set of pages for orchestral players and time charts for the conductor. The conductor gives cues at each of the time points, which trigger actions and changes in sound by the players.

Pages should be distributed amongst the orchestral players. Where multiples of a single instrument are present (e.g. violas), split the pages evenly amongst them such that all pages are used before duplicates are included. Where there are insufficient pages to provide enough material, players may be given copies of pages already distributed, such that these are also spread evenly before further duplicates are used.

Each player should be provided with instrumental parts for their specific instrument. Each player should also be given at least one auxiliary part as follows:

woodwind	blown tube; cup on surface
brass	blown tube; cup on surface
percussion	bowed polystyrene; bowed wood; bowed plastic cup; cup on surface
strings	bowed polystyrene; bowed wood; bowed plastic cup

Players should source auxiliary instruments themselves, such that a variety of objects are used in a performance. Where possible, avoid duplicating objects used by other players.

Each player is also given a page which indicates their starting point. These pages should be spread evenly amongst players, such that there is an equal spread of each starting timepoint, and that these are also shared evenly amongst the different instrument types.

The conductor selects one of the time charts. For shorter performances, later time points may be omitted. The conductor needs a stopwatch.

performance

The conductor gives cues at each of the time points on the selected timechart. These should be given with a clear downbeat. In between each downbeat, the approximate time to the next timepoint should be indicated so that players can measure the transition of their sounds. This might be achieved by gradually raising the other hand proportionally over the required duration so that it reaches the top of the downbeat at the correct time.

The players all act individually. Their selected pages should be ordered in advance of the performance without reference to choices made by other players. The ordering should be changed for each performance (and rehearsal as appropriate).

Each page of the instrumental parts comprises a single held sound separated into distinct phases by vertical cue points. Each sound changes one parameter (e.g. dynamic, timbre, playing technique) between or at a cue point. Where a sound changes between cue points, this should be an even and gradual transition. Where there is a sudden change (e.g. moving from normal to tremolo bowing), where possible the change should be gradually introduced in advance of or following the cue (e.g. so the tremolo might gradually accelerate to full speed by the cue). Transitions around cue points should in general be smooth.

Players individually select a cue given by the conductor at which to begin their next page. The first cue is provided by the page supplied in the part (i.e. +6 would mean to start on the sixth cue, and +1 would mean to start on the first cue etc.).

After completing their first page, players determine freely when they begin their next page. There must be at least one inactive period for each player between pages however (i.e. the final cue of the preceding page may not also be the first cue of the next). If all pages are used before the performance is complete, they may be reused.

The first of the selected conductor cues becomes cue 1 on the current page. Players complete the page as determined by the duration of the cues given by the conductor. The choice of starting point will therefore affect the duration of each page, and the changes within it.

When there are 10 cues remaining, the conductor will signal this by counting down on their fingers when giving cues. At this point, players may only begin a new page if there are sufficient cues remaining for it to be completed (i.e. if the conductor has signalled '4' remaining cues, pages with five or more cue points may not be started, and the player remains silent until the end).

In general, there should be a relatively uniform sound and balance between all instruments. The low dynamic range should be adjusted appropriately to allow for the correct sound production on the edge of silence at the low end, through to an audible result with enough presence for the performance space at the higher end.

For sounds which need to be interrupted through breaths or bow changes, try to create as smooth a result as possible, and avoid cue points for changes.

performance techniques

transposing instruments

Parts may be played on any related instrument unless specified (e.g. flute parts can be played on piccolo, alto flute etc.). If a transposing instrument is used, the sounding result will vary depending on the transposition.

general instructions

o-pppp(-----)

The sound should be on the edge of silence, and stop and start irregularly, or have an inconsistent quality due to any associated playing techniques (often used on combination with various tremolo or *o-pppp* markings).

ppp(<>)

The sound should centre on the indicated dynamic, but allow any micro-variations to emerge naturally (do not try to play them though)

wind and brass

[throat]

A very rapid series of single articulations of the air stream in the throat (not a growl or flutter-tongue). The pace should be as fast as possible, to the point where it is hard to control the regularity of the attack.

[air/pitch]

Breath sound with a clear pitch component. Where this is unspecified (single-line stave), any pitch may be selected. Where two-line staves are used, a lower- and higher-pitched breath sound should be selected.

[air/noise]

Where trills are marked on breath sounds, find a fingering which allows the articulation to be heard clearly. Breath sound with little pitch component. Noise tones should be emphasised.

M

Multiphonic. All multiphonics should be relatively pure, with a tendency towards consonant pitch content. Where more than one multiphonic is indicated on a page, each should be different.

4

An alternate, timbre fingering (small microtonal detunings are acceptable). The numbers are based on Peter Veale's *The Techniques of Oboe Playing* (Kassel, 1998) and range from 0 (normal fingering) to 5. The higher the number, the more diffuse the result.

[bleed]

Slightly depress or raise a valve from the normal fingering to destabilise the sound. Where a trill line is also indicated, the position of the valve should be slowly varied.

mutes

Mutes are indicated as boxed text. See auxiliary instrument instructions for related markings

flute

[whistle tones]

Conventional whistle tones. Aim for a relatively stable pitch, but accept any occasional oscillations.

[blocked]

Place mouth completely over mouthpiece and blow into instrument.

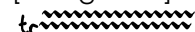
diamond noteheads

A hollow pitched tone, pure.

oboe/bassoon

[rolling tone]

The rolling tone is obtained by a stronger lip pressure on the reed.



A double trill using a separate trill key for each hand resulting in a faster oscillation.

horn

hand stopping

Where gradual stopping and glissando are indicated, do not compensate for pitch change (allow gliss to occur as a result of stopping). Where gradual stopping only is indicated, compensate for pitch change in order to maintain pitch (timbral change only).

auxiliary instruments

mutes

+

o



Mutes are indicated in boxed text for brass instruments. Where mutes are indicated for auxiliary instruments (e.b. blown tubes), either the hand or another appropriate object may be used.

closed

open

blocked – as closed, but with extra pressure to seal the tube as much as possible.

A mute tremolo involving a small uneven shaking movement of the mute centred on the position(s) indicated.

bowd wood

Select any piece of wood (timber, found, objects, instruments), and bow as indicated with a string instrument bow. String players may use the wood of their instrument if preferred. Noise tones are preferred.

bowd polystyrene

Select any piece of polystyrene and bow an edge as indicated. When sourcing polystyrene, experiment with size and density to find a rich sound.

[light pressure]

Bow the polystyrene very lightly to produce a clearer and more stable tone

[very slow bow]

Very slow bow movement, producing a series of unpredictable clicks/noise.

bowd plastic cup

A hard, thin plastic disposable drinking glass, preferable with a well defined (sharp) rim. Any size may be used. Bow one side of the rim at an angle of at least 30°, unless indicated. Up and down bow will produce a different sound.

[fast, light pressure]

A fast and light bow movement producing a sound with a clearer pitch content. Bow markings are not given with this indication given the need to use a lot of bow.

[bow flat]

Bow flat across cup such that the bow touches the rim on opposing edges.

blown tube

Select any type of straight, open tube, made from any material (e.g. cardboard tube, drinking straw, copper pipe, waste pipe, hose etc.). Any length capable of producing an audible sound may be used. When blowing, an air sound should result, possibly with a slight pitch content. This may be aided by sounding a 'f' phonetic into the tube. Do not blow in the manner of a flute or brass instrument. See above for mute information.

coffee cup on surface

A standard card takeaway coffee cup. Any flat surface may be selected to be sampled by the cup (e.g. a metal sheet, polystyrene block, a brick, a wooden tray, felt etc.) using the techniques indicated

U

use base of cup on surface

N

use rim of cup on surface (upside down)

[drag]	Pull the cup across the chosen surface. Appropriate pressure for the designated volume will be determined by the surface type.
[scratch]	A rapid back and forth friction action
[circle]	A friction action with a regular circular motion

percussion

See auxiliary instruments for other related instructions

[push]	A constant long friction action in one direction with the hand pushing the beater/object across the surface. The pushing action should create greater friction resulting unstable jittering, unevenness etc.
[roll]	A very rapid roll with one stick/hand only (<u>not</u> a conventional two stick/hand) The pace should be as fast as possible, to the point where it is hard to control the regularity of the attack. All rolls should be of this type, whether marked specifically in contrast to other techniques, or where no indication is made.
[damp]	Lightly damp crotales with finger tips to reduce upper partials.
[muffle]	Lightly damp timpani with finger tips
washing-up brush	A plastic-haired washing-up brush with relatively stiff bristles.

strings

diamond noteheads	Diamond noteheads indicate a harmonic pressure left hand fingering. The indicated pitch and roman numeral denote the position of the finger and the string to be used. This will produce a range of results from relatively clear harmonics through to (coloured) noise.
[damp]	Damp all strings lightly with the fingers of the left hand. A coloured pitch/noise sound will result.
[bow tailpiece]	Bow the tailpiece using the indicated techniques: the sound will vary depending on their specification
[bow spike]	Place cello on lap and bow near the end of the spike, producing a low-pitched tremolo
<u>preparations</u>	Selection and placement of the exact objects to be used when preparing instruments is at the discretion of the players. Aim for maximum variety between players and avoid duplicating preparations where possible. Objects should be inserted and removed from the instrument as quietly as possible.
metal preparation	A small, light piece of metal (e.g. a large paper clip, cutlery, a skewer, metal ruler, small bolt etc.) should be inserted above I and IV and below II and III. The best position will be determined by the combination of instrument and object.
wood preparation	A small light piece of wood (e.g. a lolly stick, pencil, chopstick, toothpick, coffee stirrer etc.) should be inserted above I and IV and below II and III. The best position will be determined by the combination of instrument and object. The wood should force the non-bowed strings to vibrate sympathetically.
card preparation	A small piece of paper or card should be woven between the strings over the fingerboard. The marking 'card' indicates that stings/card should be bowed over the card itself (molto sul taste).
cloth preparation	A small piece of cloth (any type of fabric may be used) should be woven between the strings over the fingerboard. Bow in the conventional manner.

geometria situs

James Saunders

conductor (1)

0:00	9:23	17:35
0:16	9:36	17:43
<u>0:58</u>	<u>9:41</u>	<u>17:53</u>
1:09	10:11	18:00
<u>1:31</u>	10:26	18:05
2:03	<u>10:37</u>	18:41
2:11	<u>11:32</u>	18:44
<u>2:23</u>	<u>12:05</u>	<u>18:48</u>
3:02	13:06	19:23
3:34	13:25	19:38
3:43	13:31	19:53
3:48	13:41	<u>19:59</u>
<u>3:56</u>	13:51	<u>20:55</u>
4:29	<u>13:53</u>	21:09
<u>4:47</u>	14:04	21:12
5:28	14:17	21:34
5:30	14:19	<u>21:48</u>
5:39	<u>14:33</u>	22:14
<u>5:40</u>	15:01	22:22
7:16	15:03	22:26
7:20	15:32	<u>22:37</u>
7:46	<u>15:52</u>	<u>23:17</u>
<u>7:51</u>	<u>16:38</u>	24:02
8:27	17:04	24:36
8:31	17:07	<u>24:55</u>
<u>8:36</u>	17:08	<u>25:00</u>
9:04	17:26	

geometria situs

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conductor (2)

0:00	6:50	<u>14:20</u>
0:27	<u>6:56</u>	<u>15:49</u>
0:49	7:02	16:04
<u>0:57</u>	7:12	16:12
1:19	7:19	16:24
1:23	7:28	16:26
1:31	<u>7:33</u>	16:36
<u>1:33</u>	8:41	16:49
2:09	<u>8:45</u>	<u>16:54</u>
2:38	10:18	<u>17:38</u>
2:43	10:22	18:17
2:45	10:23	<u>18:29</u>
2:52	10:30	19:04
<u>2:53</u>	<u>10:49</u>	19:35
3:26	11:03	<u>19:51</u>
<u>3:32</u>	11:09	20:04
4:38	11:45	20:15
<u>4:41</u>	<u>11:56</u>	20:32
5:07	12:02	<u>20:59</u>
5:25	12:04	<u>21:01</u>
5:43	12:15	22:14
<u>5:57</u>	<u>12:28</u>	<u>22:31</u>
6:01	13:16	<u>23:57</u>
6:12	13:26	24:10
6:30	13:35	<u>24:15</u>
6:40	<u>13:40</u>	25:00
6:44	14:09	

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conductor (3)

0:00	8:18	15:18
0:52	<u>8:28</u>	<u>15:47</u>
<u>0:55</u>	9:03	16:25
1:14	9:16	16:34
1:41	9:25	16:39
1:50	9:27	<u>16:48</u>
1:54	9:37	17:02
<u>1:58</u>	9:57	<u>17:41</u>
2:29	<u>9:59</u>	18:00
2:34	10:20	18:08
<u>2:57</u>	10:36	18:34
3:15	<u>10:55</u>	<u>18:44</u>
<u>3:57</u>	11:32	<u>19:47</u>
4:07	11:36	20:10
4:17	<u>11:49</u>	20:24
4:35	12:02	20:27
<u>4:40</u>	12:04	20:43
5:07	12:39	<u>20:44</u>
5:23	<u>12:40</u>	21:09
<u>5:44</u>	13:01	<u>21:33</u>
6:24	13:13	<u>22:02</u>
6:48	13:41	23:07
<u>6:59</u>	13:50	23:23
7:04	<u>13:51</u>	<u>23:42</u>
7:50	14:14	<u>24:04</u>
<u>7:54</u>	14:55	<u>25:00</u>
8:03	<u>14:57</u>	

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conductor (4)

0:00	9:02	<u>18:40</u>
0:13	9:39	19:03
0:19	<u>9:53</u>	19:16
0:24	10:07	19:39
0:35	<u>10:42</u>	20:04
0:46	11:17	20:05
<u>0:51</u>	11:30	20:12
1:13	<u>11:42</u>	20:21
<u>1:16</u>	12:05	<u>20:41</u>
2:20	12:10	21:47
<u>2:25</u>	<u>12:54</u>	21:50
3:01	13:14	<u>21:50</u>
<u>3:15</u>	13:15	22:44
4:00	13:16	<u>22:59</u>
4:01	<u>13:26</u>	23:16
4:42	14:49	23:49
<u>4:44</u>	<u>14:58</u>	23:52
5:18	15:05	<u>23:55</u>
5:38	15:21	24:30
5:40	<u>15:36</u>	24:30
5:41	16:01	<u>24:40</u>
<u>5:57</u>	16:05	25:00
6:32	16:36	
6:35	<u>16:37</u>	
6:41	17:33	
<u>6:48</u>	<u>17:36</u>	
<u>7:06</u>	18:13	
8:03	18:24	
<u>8:21</u>	18:28	

geometria situs

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conductor (5)

0:00	<u>8:52</u>	18:06
<u>0:13</u>	9:13	18:10
<u>1:00</u>	9:22	18:15
2:14	<u>9:52</u>	18:38
2:15	10:26	<u>18:42</u>
<u>2:46</u>	10:33	19:14
3:14	<u>10:45</u>	19:17
<u>3:43</u>	11:09	19:20
4:03	11:16	19:31
4:20	11:17	19:33
4:36	11:28	<u>19:40</u>
4:43	11:42	20:29
<u>4:51</u>	<u>11:46</u>	20:36
5:04	12:16	<u>20:48</u>
<u>5:30</u>	12:26	21:14
6:21	12:31	21:24
6:23	12:36	21:37
<u>6:43</u>	<u>12:46</u>	21:51
7:04	13:22	<u>21:57</u>
7:13	<u>13:44</u>	22:05
7:31	<u>14:38</u>	<u>22:23</u>
<u>7:42</u>	<u>15:21</u>	23:09
8:05	16:26	<u>23:42</u>
8:35	<u>16:44</u>	24:37
8:37	17:28	<u>24:52</u>
8:42	<u>17:36</u>	25:00
8:49	18:05	

geometria situs

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+1

geometria situs

James Saunders

+2

geometria situs

James Saunders

+3

geometria situs

James Saunders

+4

geometria situs

James Saunders

+5

geometria situs

James Saunders

+6

geometria situs

James Saunders

+7

geometria situs

James Saunders

+8

geometria situs

James Saunders

+9

geometria situs

James Saunders

+10

geometria situs

flute (1)

James Saunders

1 2 3 4 5 6

[throat]

o-pppp (-----) *ppp* *o-pppp (-----)*

geometria situs

flute (2)

James Saunders

1 2 3 4 5 6

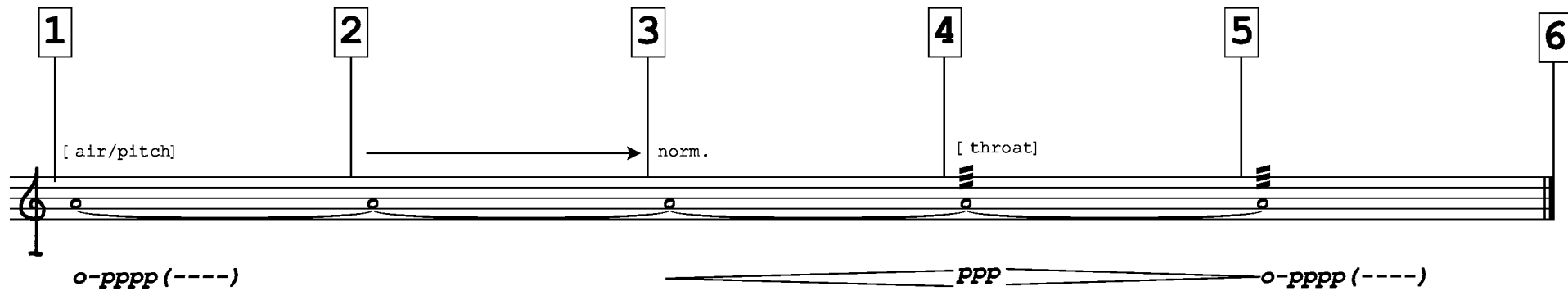
[throat]

o-pppp (-----) *ppp* *o-pppp (-----)*

geometria situs

flute (3)

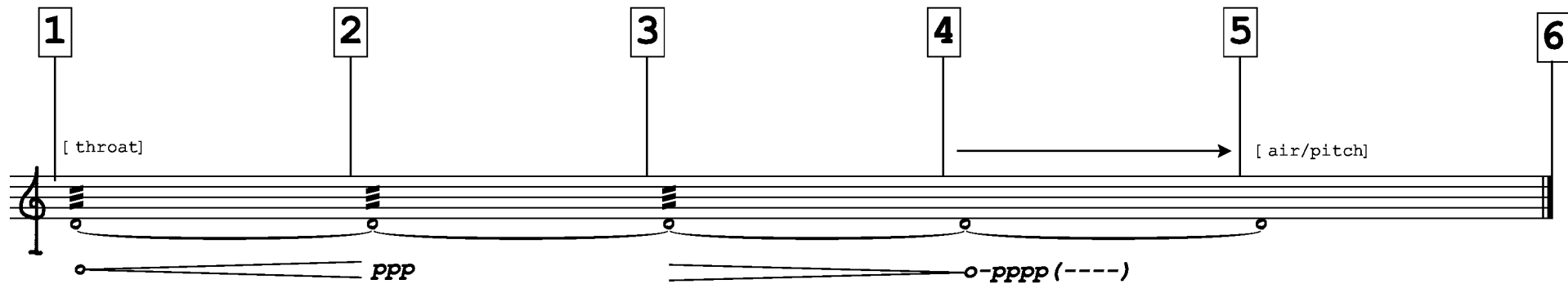
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geometria situs

flute (4)

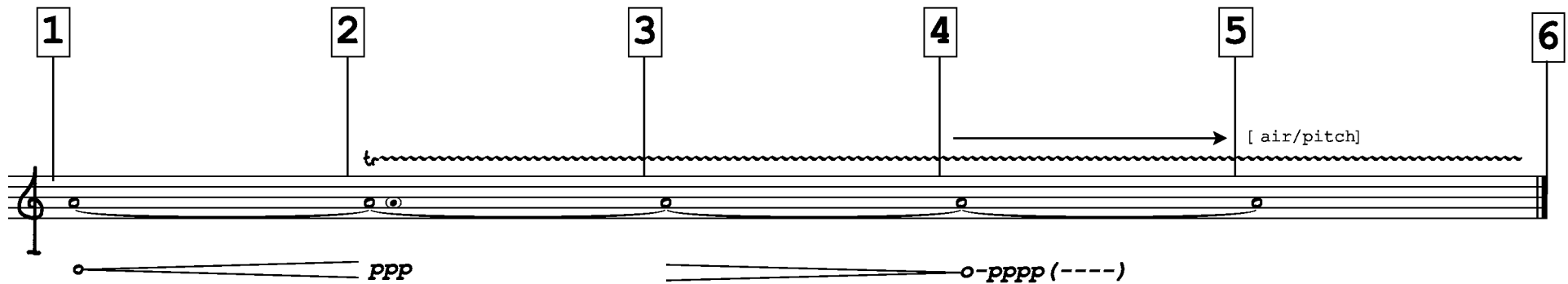
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geometria situs

flute (5)

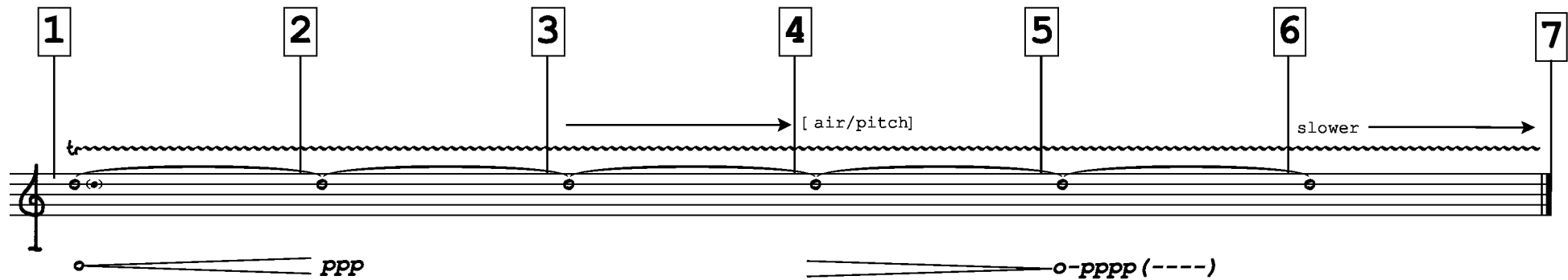
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flute (6)

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flute (7)

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1 [air/pitch]

2

3

4

5 norm.

6

7

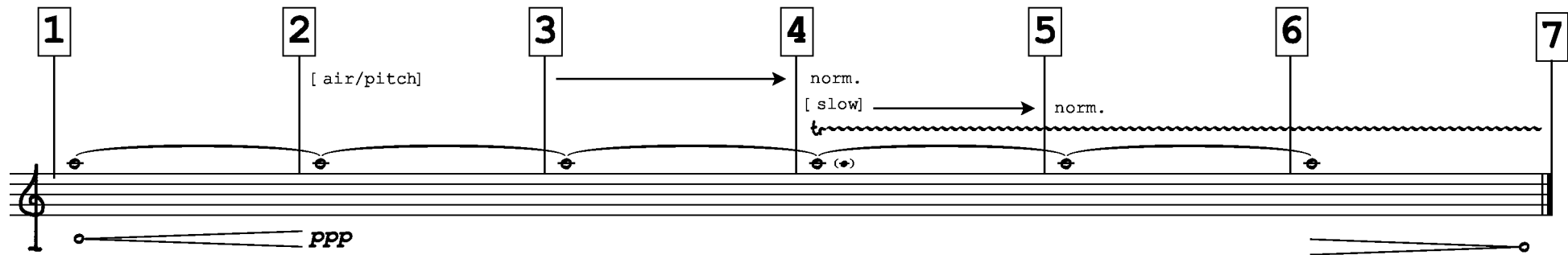
o-pppp (-----) ppp

The musical score is written on a single staff with a treble clef and a key signature of one flat. It consists of seven measures, each marked with a number in a box above the staff. Measure 1 contains a note with a slur extending to measure 2. Measure 3 contains a note with a slur extending to measure 4. Measure 5 contains a note with a slur extending to measure 6. Measure 7 contains a note with a slur extending to the end of the staff. A wavy line is drawn above the staff from measure 3 to measure 5, with an arrow pointing to it from measure 4. The text 'norm.' is written above measure 5. Below the staff, the dynamic marking 'o-pppp (-----)' is written under measure 1, and 'ppp' is written under measure 3. A double bar line is at the end of measure 7.

geometria situs

flute (8)

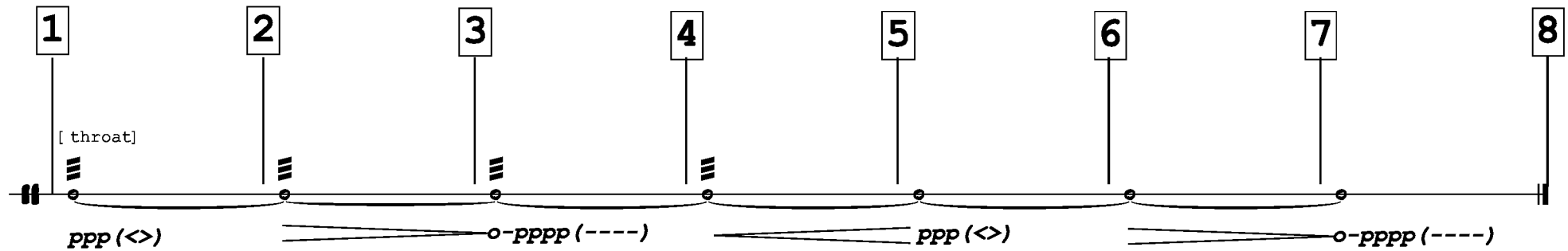
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geometria situs

flute (9)

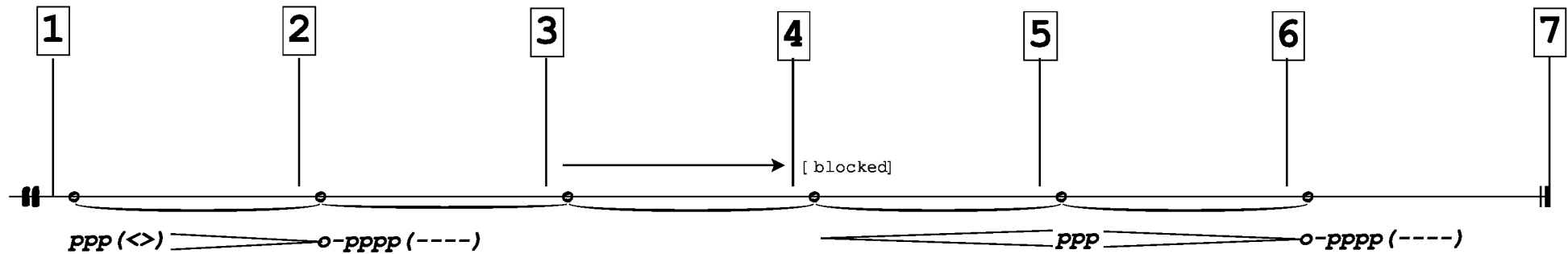
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geometria situs

flute (10)

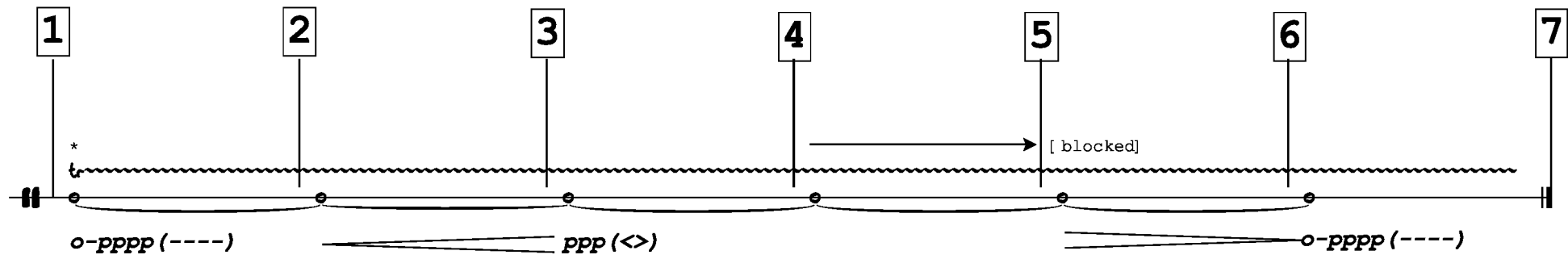
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geometria situs

flute (11)

James Saunders

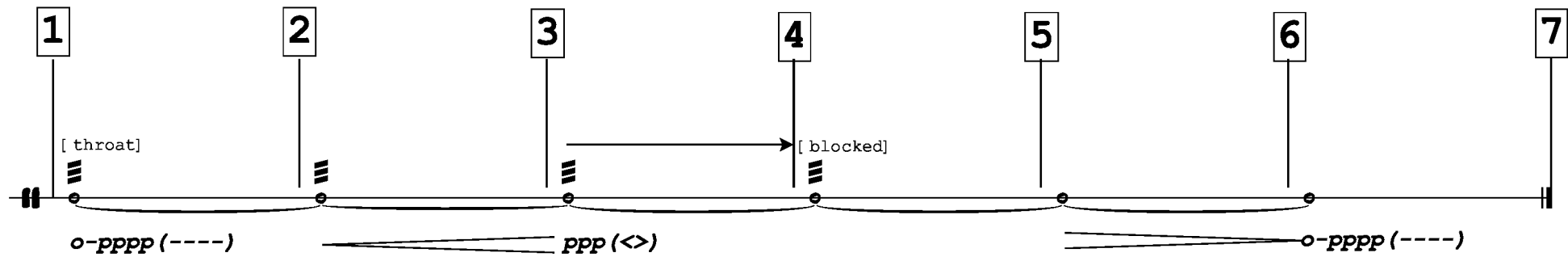


* any audible trill fingering

geometria situs

flute (12)

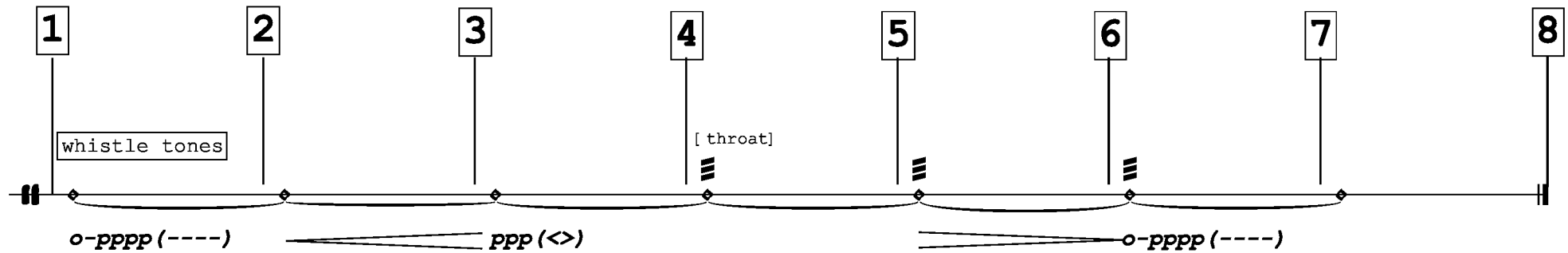
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geometria situs

flute (13)

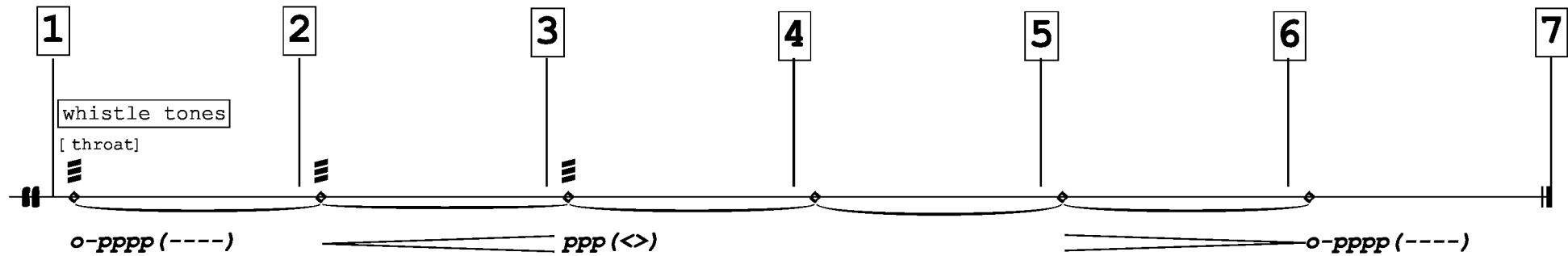
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geometria situs

flute (14)

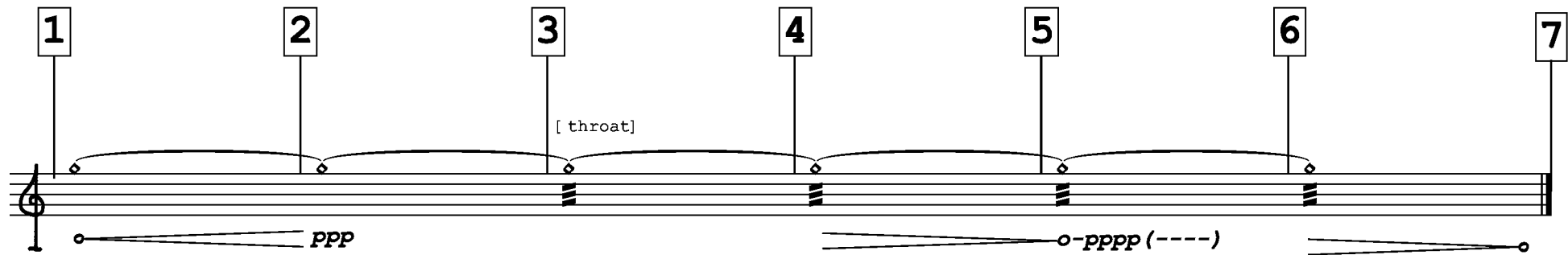
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flute (15)

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geometria situs

flute (16)

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1 2 3 4 5 6 7

slower → [very slow]

ppp *o-pppp (----)*

geometria situs

flute (17)

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1 [throat] o-*pppp* (-----) *ppp* o-*pppp* (-----)

2 [throat]

3 [throat]

4 [throat]

5 [throat]

6 [throat]

7 [throat]

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flute (18)

James Saunders

1 2 3 4 5 6 7

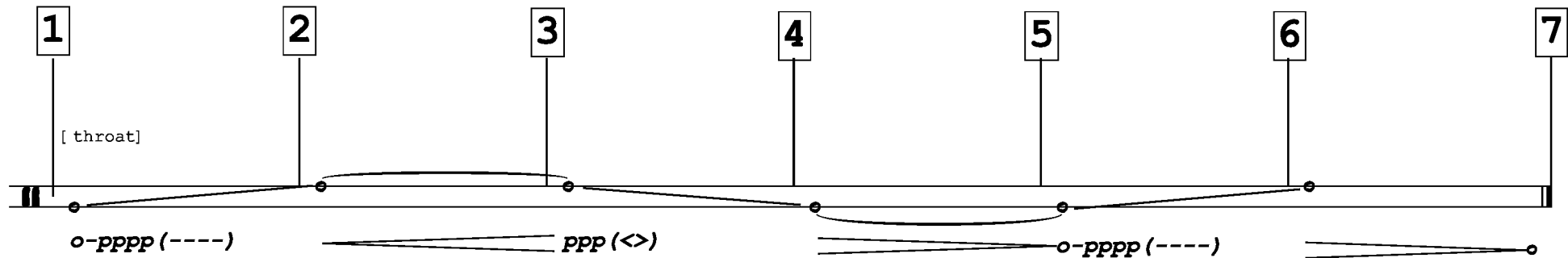
[throat]

o-pppp (-----) ppp (< >) o-pppp (-----)

geometria situs

flute (19)

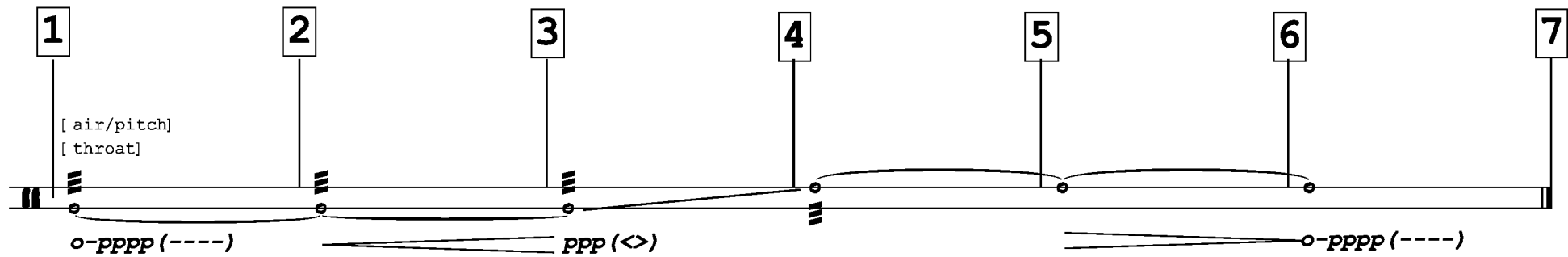
James Saunders



geometria situs

flute (20)

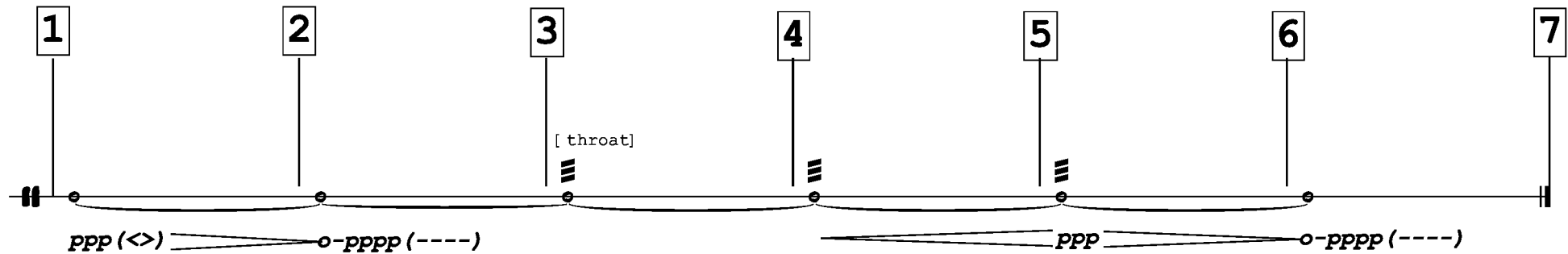
James Saunders



geometria situs

flute (21)

James Saunders



geometria situs

oboe (1)

James Saunders

1

2

3

4

5

6

M

norm.

[throat]

ppp

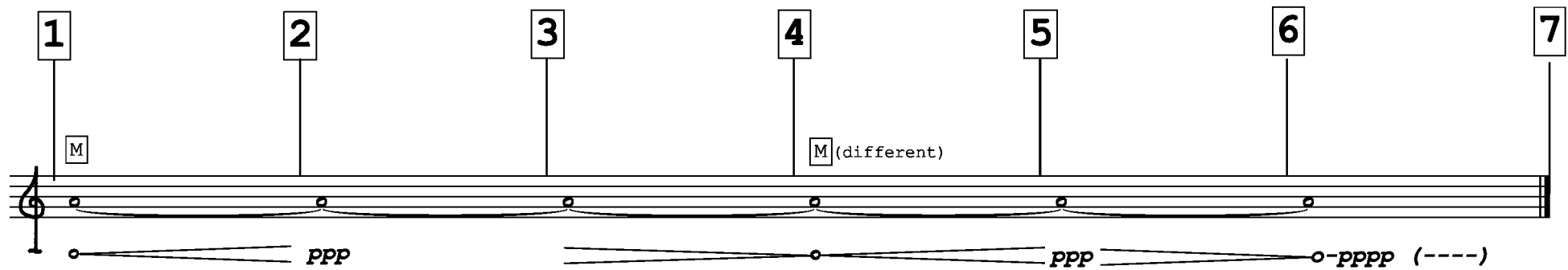
ppp *pppp* (----)

The musical score is written on a single staff with a treble clef and a key signature of one flat (B-flat). It consists of six measures, each marked with a number in a box above the staff. Measure 1 begins with a dynamic of *ppp* and a performance instruction 'M' in a box. Measure 2 is marked with a dynamic of *ppp*. Measure 3 is marked with a dynamic of *ppp*. Measure 4 is marked with a dynamic of *ppp* and a performance instruction 'norm.'. Measure 5 is marked with a dynamic of *pppp* and a performance instruction '[throat]'. Measure 6 is marked with a dynamic of *pppp* and a performance instruction '(----)'. The score includes various musical notations such as notes, rests, and slurs, as well as performance instructions like 'M', 'norm.', and '[throat]'.

geometria situs

oboe (2)

James Saunders



geometria situs

oboe (3)

James Saunders

1 2 3 4 5 6 7

2 4 norm.

ppp *ppp* *ppp*

geometria situs

oboe (4)

James Saunders

1 2 3 4 5 6 7

[throat]

5 3

ppp *pppp (-----)* *ppp*

geometria situs

oboe (5)

James Saunders

1 2 3 4 5 6

5 2 [throat]

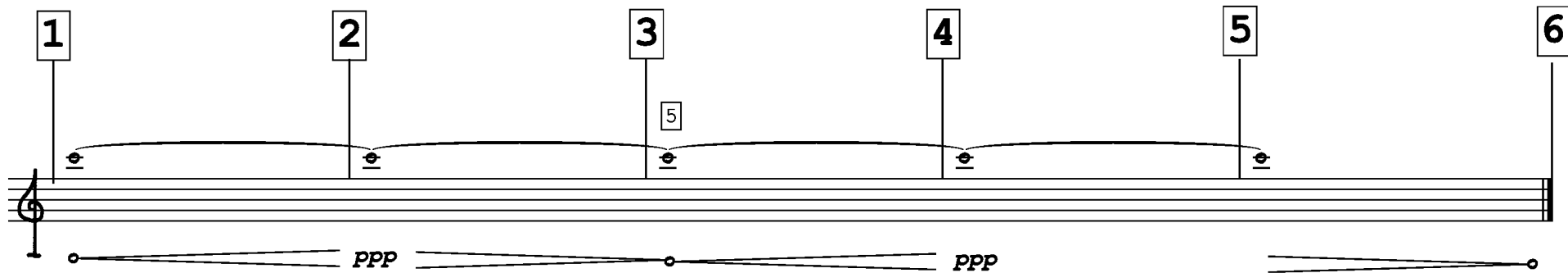
ppp *pppp (-----)*

The musical score is written on a single staff with a treble clef and a key signature of one flat. It consists of six measures, each marked with a number in a box above the staff. Measure 1 starts with a note marked with a box containing the number 5. Measure 2 has a note marked with a box containing the number 2. Measure 3 has a note marked with a box containing the number 2. Measure 4 has a note marked with the text "[throat]". Measure 5 has a note marked with a box containing the number 5. Measure 6 has a note marked with a box containing the number 6. Below the staff, there are dynamic markings: *ppp* under measure 1, *pppp (-----)* under measure 3, and a final dynamic marking under measure 6. The staff is divided into measures by vertical bar lines, with repeat signs (double bar lines with dots) at the end of measures 4 and 5.

geometria situs

oboe (6)

James Saunders



geometria situs

oboe (7)

James Saunders

1 2 3 4 5 6

ppp *pppp (-----)* *ppp*

geometria situs

oboe (8)

James Saunders

1 2 3 4 5 6

ppp *pppp (----)* *ppp*

geometria situs

oboe (9)

James Saunders

1 2 3 4 5 6 7

ppp (<>) *o-pppp (-----)* *ppp* *ppp* *ppp* *ppp* *ppp*

geometria situs

oboe (10)

James Saunders

1 2 3 4 5 6 7 8

ppp (<) *pppp (----)* *ppp*

geometria situs

oboe (11)

James Saunders

1 2 3 4 5 6 7 8

o-pppp (-----) ppp (<>) o-pppp (-----)

geometria situs

oboe (12)

James Saunders

The musical score is written on a single staff with a treble clef. It features seven numbered measures (1-7) with various musical notations including notes, rests, and dynamic markings.

Measure 1: A half note with a flat (B-flat) on the first line. Below the staff is the dynamic marking *o-pppp (-----)*.

Measure 2: A half note with a natural (B) on the first line. A slur connects this note to the note in Measure 3.

Measure 3: A half note with a natural (B) on the first line. Below the staff is the dynamic marking *ppp (< >)*.

Measure 4: A half note with a sharp (B-sharp) on the first line. A slur connects this note to the note in Measure 5.

Measure 5: A half note with a natural (B) on the first line. Below the staff is the dynamic marking *o-pppp (-----)*.

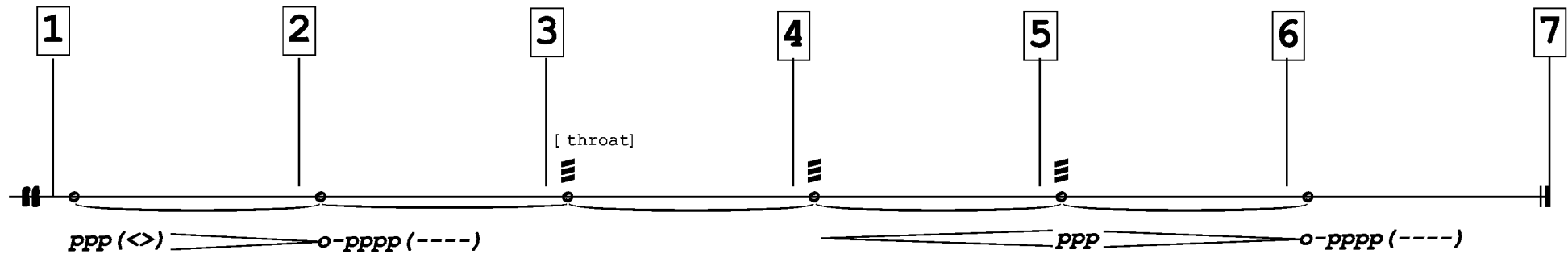
Measure 6: A half note with a natural (B) on the first line. A slur connects this note to the note in Measure 7.

Measure 7: A half note with a natural (B) on the first line. Below the staff is the dynamic marking *ppp (< >)*.

geometria situs

oboe (13)

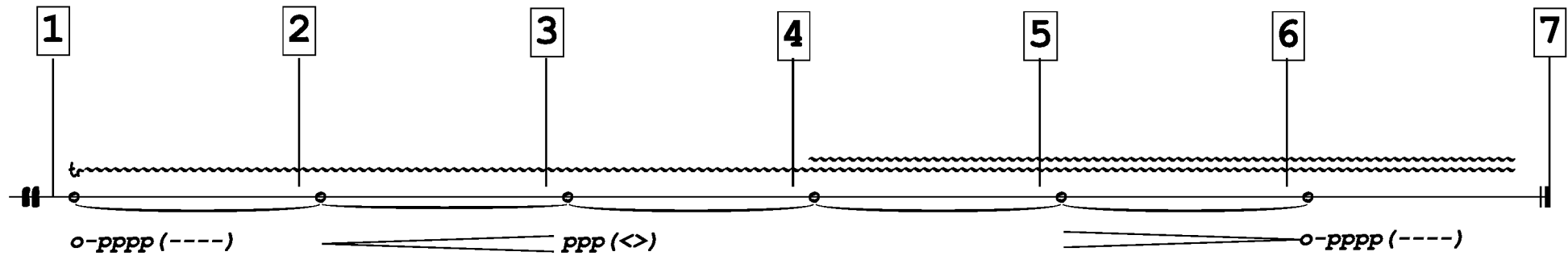
James Saunders



geometria situs

oboe (14)

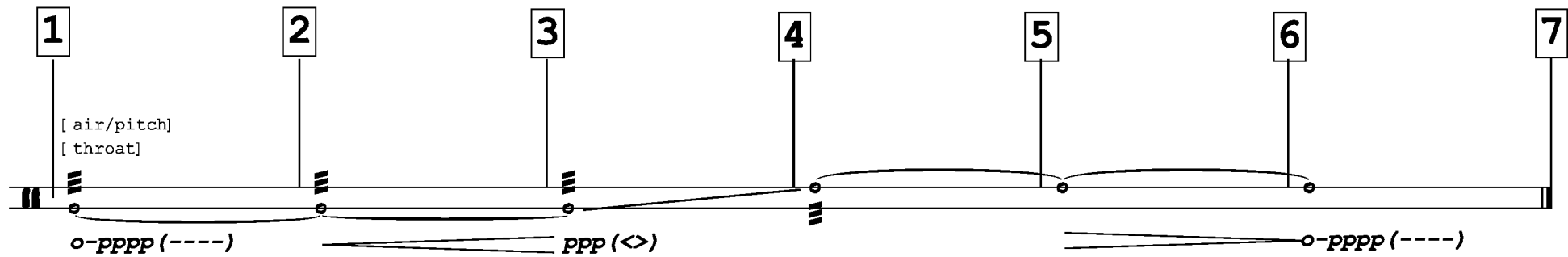
James Saunders



geometria situs

oboe(15)

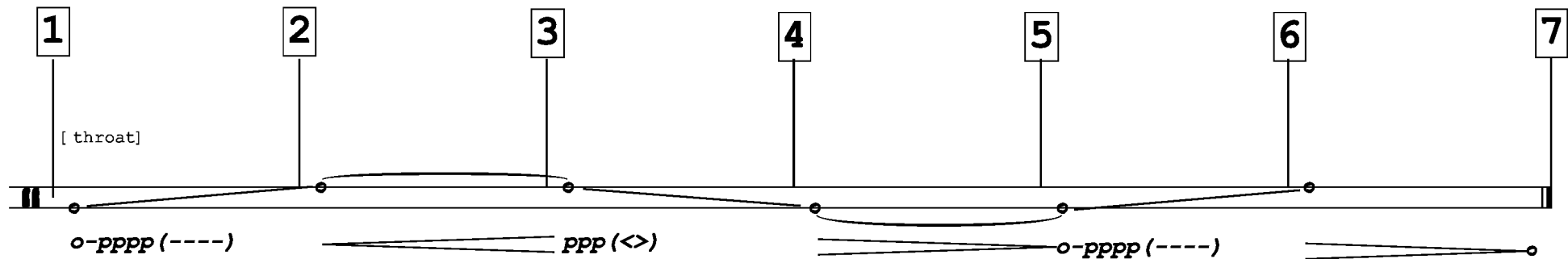
James Saunders



geometria situs

oboe (16)

James Saunders



geometria situs

oboe (17)

James Saunders

1 2 3 4 5 6 7

o-pppp (----) ppp o-pppp (----)

geometria situs

oboe (18)

James Saunders

1 2 3 4 5 6 7

ppp *o-pppp (-----)*

geometria situs

oboe (19)

James Saunders

1 2 3 4 5 6 7

M M (different)

ppp *pppp (-----)*

geometria situs

oboe (20)

James Saunders

1 2 3 4 5 6 7

M M (different)

o-pppp (-----) *ppp* *ppp* *o-pppp (-----)*

geometria situs

clarinet (1)

James Saunders

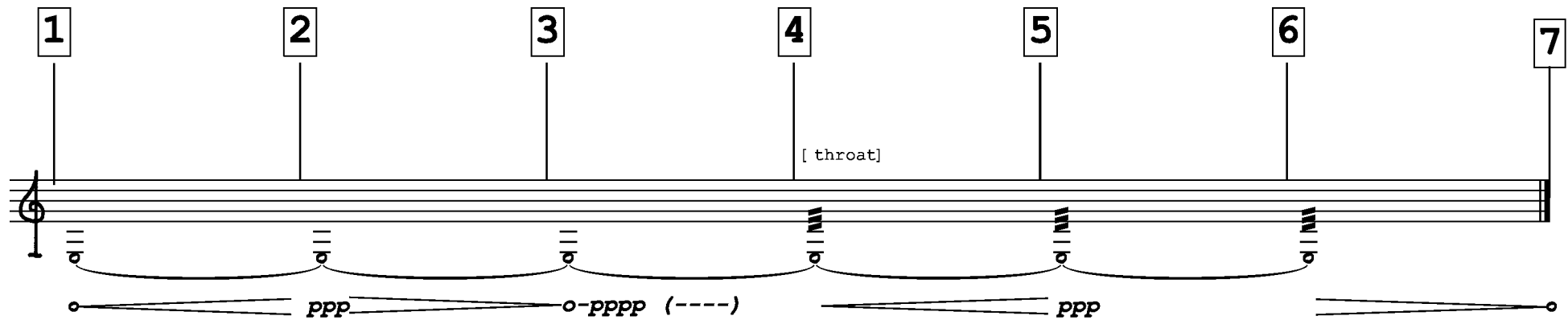
1 2 3 4 5 6 7

ppp *pppp (-----)* *ppp*

geometria situs

clarinet (2)

James Saunders



geometria situs

clarinet (3)

James Saunders

The musical score is written on a single staff with a treble clef and a key signature of one sharp (F#). The score is divided into six numbered measures (1-6) by vertical lines. The notes and rests are as follows:

- Measure 1: A quarter note on the first line (F#4).
- Measure 2: A quarter rest, followed by a quarter note on the second line (G4) with a vertical line through it, and a quarter note on the second space (A4).
- Measure 3: A quarter note on the second space (A4).
- Measure 4: A quarter note on the second space (A4).
- Measure 5: A quarter note on the second space (A4).
- Measure 6: A quarter note on the second space (A4).

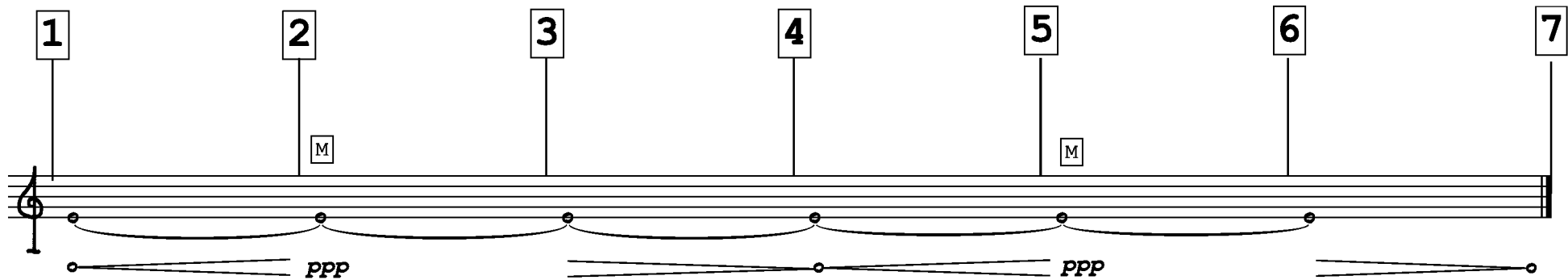
Dynamic markings and performance instructions are located below the staff:

- Below Measure 1: *ppp* (pianissimo).
- Below Measure 2: *[throat]* (throat technique).
- Below Measure 3: *ppp* (pianissimo).
- Below Measure 4: *pppp (-----)* (fortississimo, with a long horizontal line indicating a sustained note).
- Below Measure 5: *[throat]* (throat technique).

geometria situs

clarinet (4)

James Saunders



geometria situs

clarinet (5)

James Saunders

The musical score is written on a single staff with a treble clef and a key signature of one flat. The score consists of seven numbered measures, each marked with a box containing a number from 1 to 7. The notation includes various dynamics and articulations:

- Measure 1: *o-pppp (-----)*
- Measure 2: *ppp*
- Measure 3: *ppp*
- Measure 4: *ppp*
- Measure 5: *ppp*
- Measure 6: *ppp*
- Measure 7: *o-pppp (-----)*

The score is characterized by long, horizontal lines connecting the notes, suggesting a continuous, sustained sound. The dynamics range from *pppp* (pianissimo) to *ppp* (pianissimo).

geometria situs

clarinet (6)

James Saunders

The musical score is written on a single staff with a treble clef and a key signature of one flat. It consists of five measures, each marked with a number in a box above the staff:

- Measure 1:** A quarter note on the first line (F4) with a dynamic marking of *ppp* below it.
- Measure 2:** A quarter note on the first line (F4) with a dynamic marking of *ppp* below it. A wavy line (trill) is written above the note.
- Measure 3:** A quarter note on the first line (F4) with a dynamic marking of *ppp* below it.
- Measure 4:** A quarter note on the first line (F4) with a dynamic marking of *pppp (----)* below it. A bracket labeled "[throat]" is written above the note.
- Measure 5:** A quarter note on the first line (F4) with a dynamic marking of *pppp (----)* below it.

The score is characterized by its minimalist notation, focusing on pitch and dynamics rather than complex rhythmic patterns.

geometria situs

clarinet (7)

James Saunders

1 2 3 4 5 6 7 8

p *pppp* (-----) *ppp* *pppp* (-----)

geometria situs

clarinet (9)

James Saunders

The musical score is written on a single staff with a treble clef and a key signature of one flat. It consists of seven numbered measures, each marked with a box containing a number from 1 to 7. The notation includes notes, rests, and dynamic markings. Measure 1 starts with a note marked [throat] and ppppp (----). Measure 2 has a note marked p. Measure 3 has a note marked p and a wavy line above it. Measure 4 has a note marked p. Measure 5 has a note marked p and a wavy line above it. Measure 6 has a note marked p. Measure 7 has a note marked p. The score also includes dynamic markings ppp and ppppp (----) and a wavy line above the staff in measures 3 and 5.

geometria situs

clarinet (10)

James Saunders

1 2 3 4 5 6 7 8

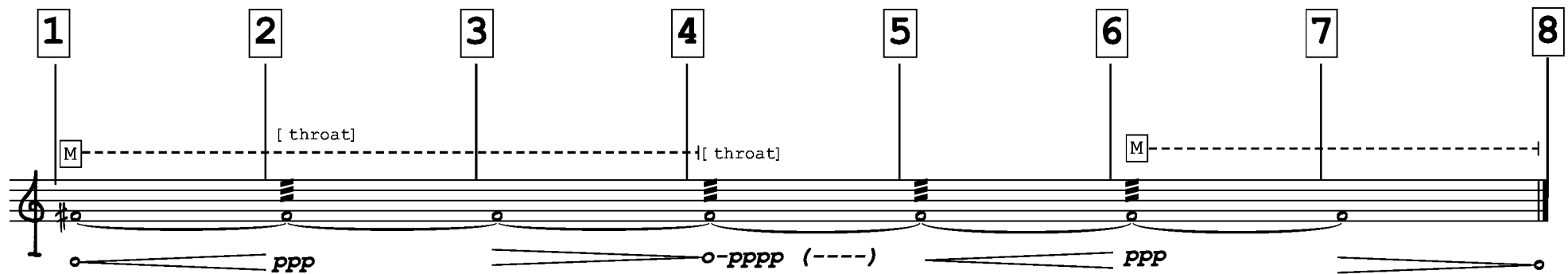
[throat] [throat]

ppp *pppp (-----)* *ppp*

geometria situs

clarinet (11)

James Saunders



geometria situs

clarinet (12)

James Saunders

1 2 3 4 5 6 7 8

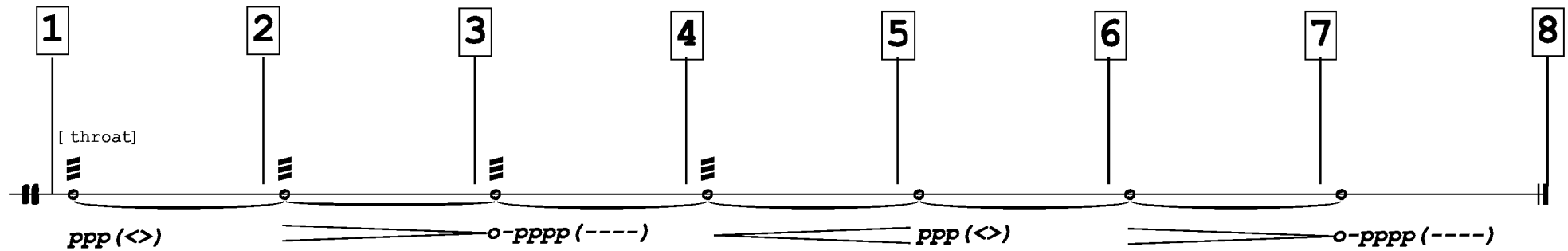
[throat]

o-pppp (-----) *ppp* *o-pppp (-----)* *ppp* *o-pppp (-----)*

geometria situs

clarinet (13)

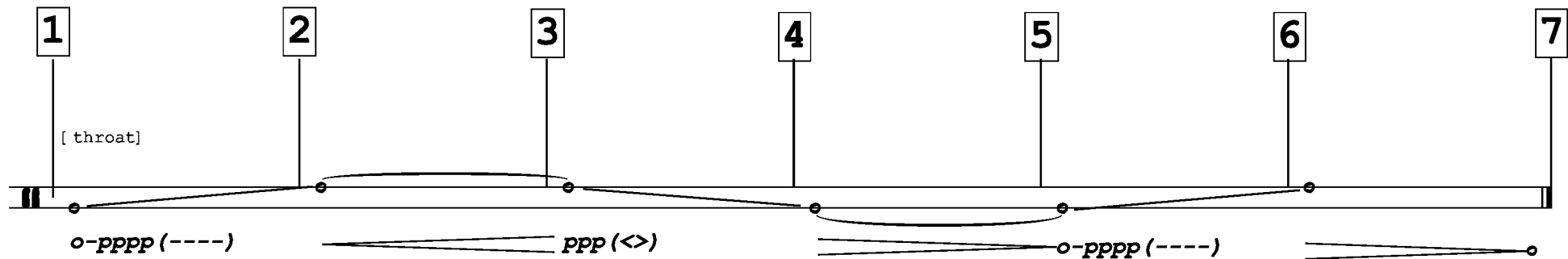
James Saunders



geometria situs

clarinet (14)

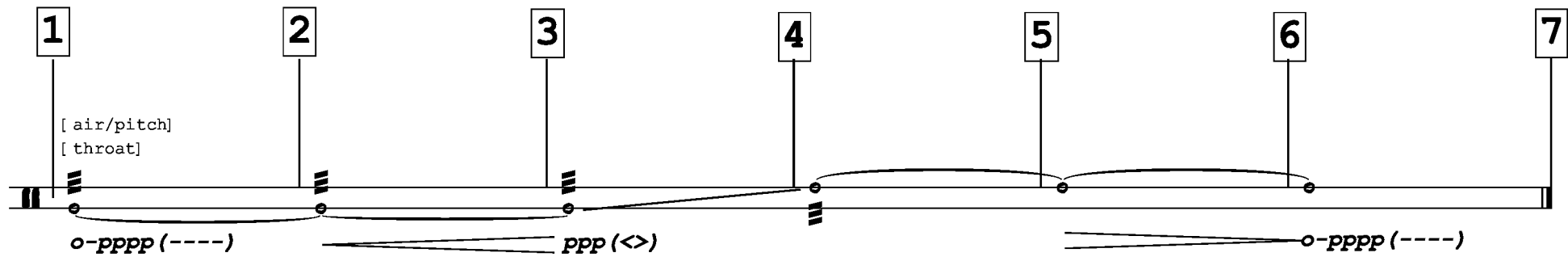
James Saunders



geometria situs

clarinet (15)

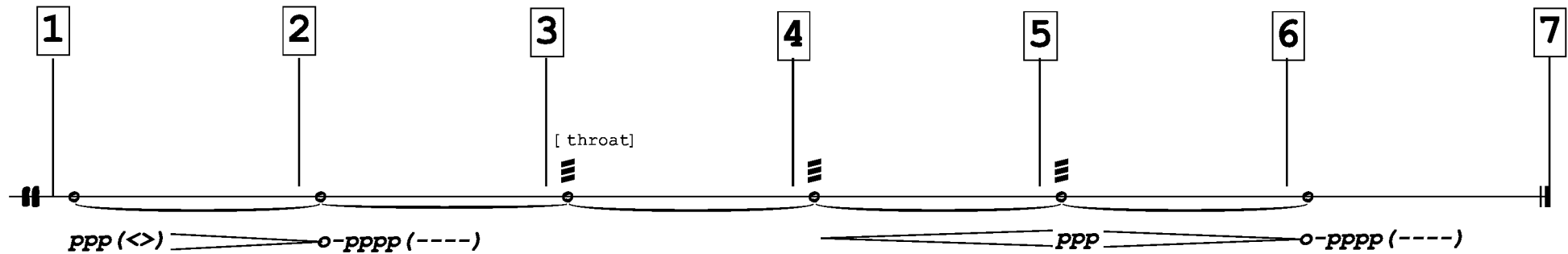
James Saunders



geometria situs

clarinet (16)

James Saunders



geometria situs

bass clarinet (1)

James Saunders

1 2 3 4 5 6 7 8

[throat]

ppp *pppp (-----)* *ppp*

geometria situs

bass clarinet (2)

James Saunders

1 [throat]

2

3

4

5

6

7

8

ppp

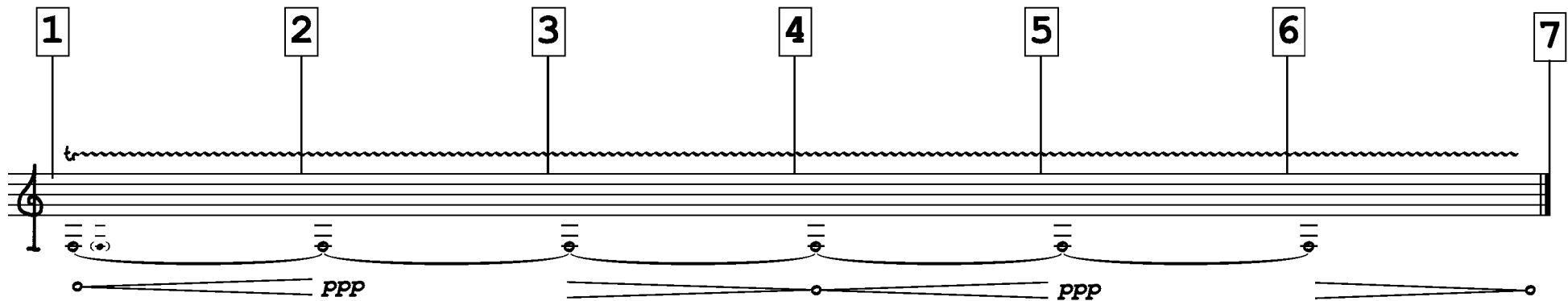
pppp (----)

ppp

geometria situs

bass clarinet (3)

James Saunders



geometria situs

bass clarinet (4)

James Saunders

1 2 3 4 5 6 7 8

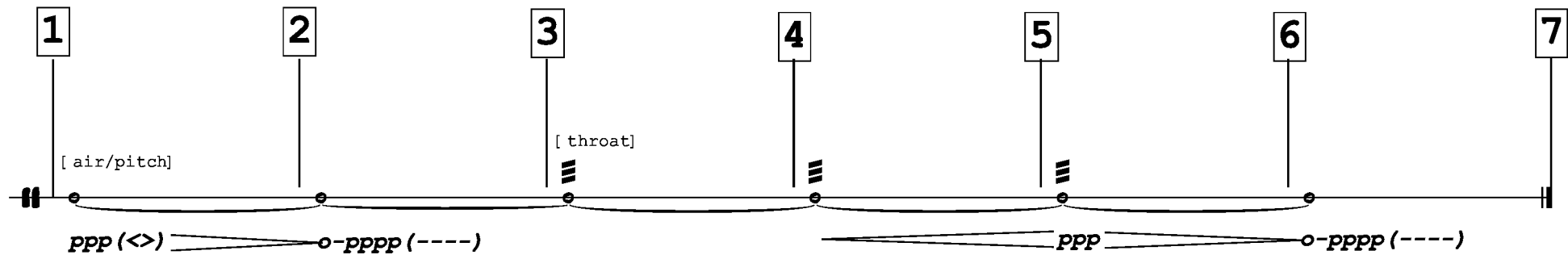
[throat]

ppp *pppp (----)* *ppp*

geometria situs

bass clarinet (5)

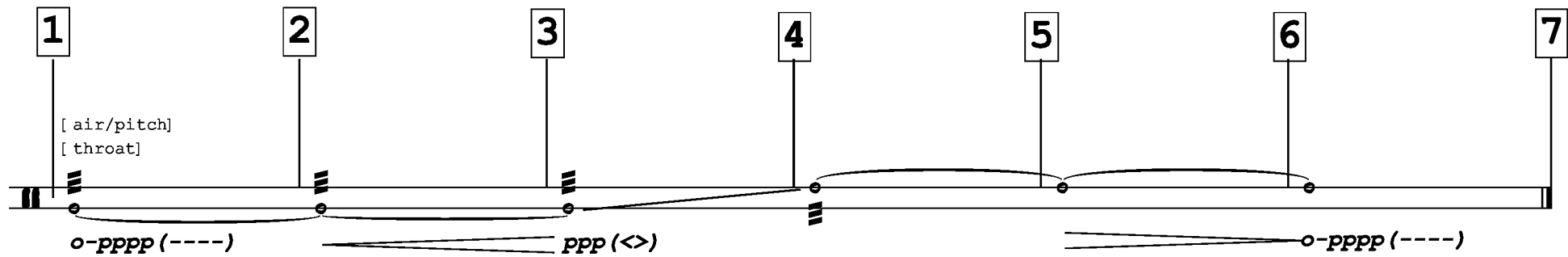
James Saunders



geometria situs

bass clarinet (6)

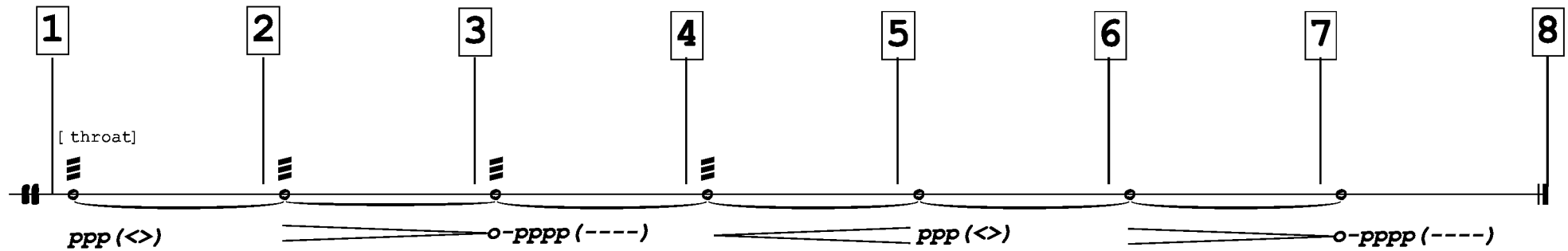
James Saunders



geometria situs

bass clarinet (7)

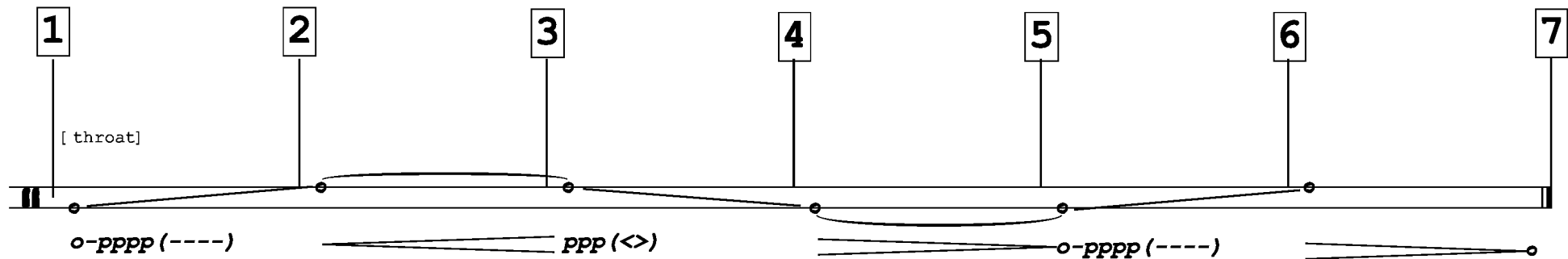
James Saunders



geometria situs

bass clarinet (8)

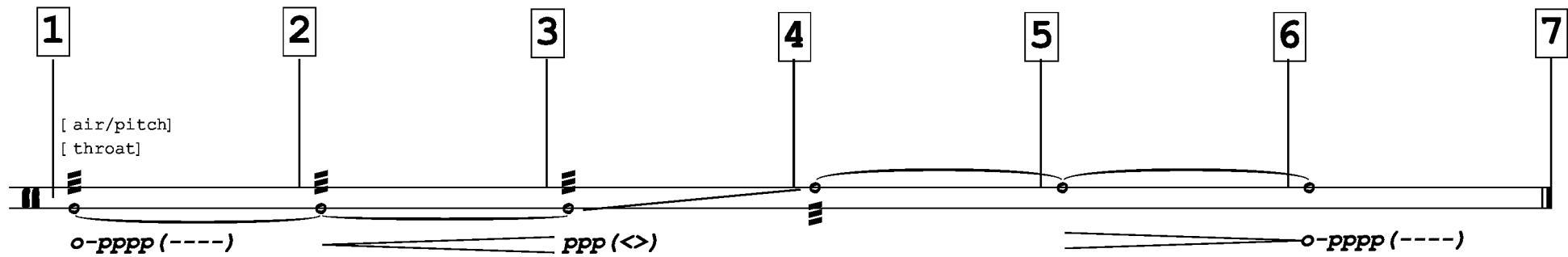
James Saunders



geometria situs

bass clarinet (9)

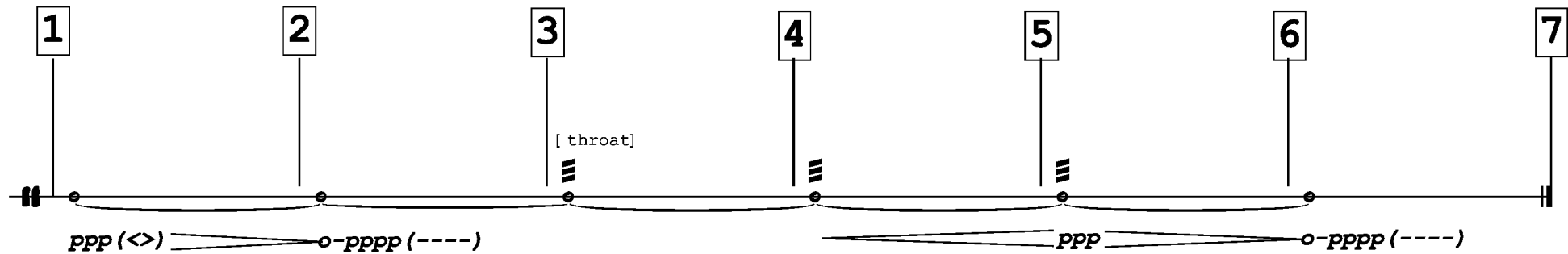
James Saunders



geometria situs

bass clarinet (10)

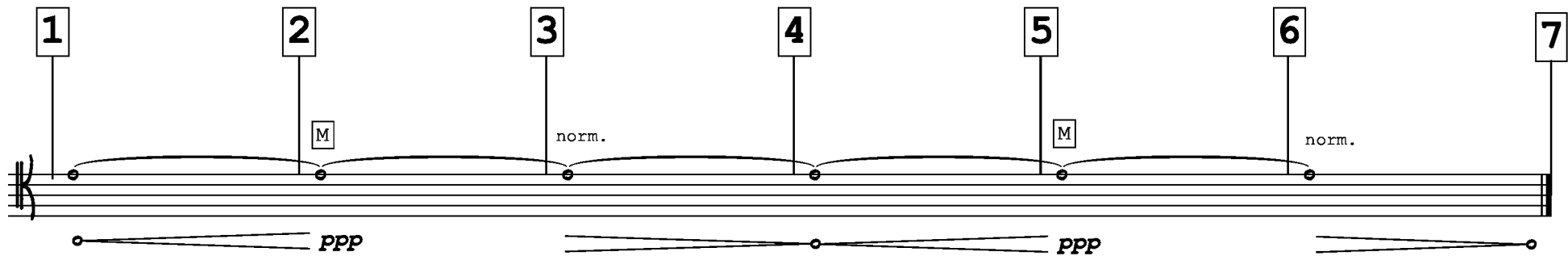
James Saunders



geometria situs

bassoon (1)

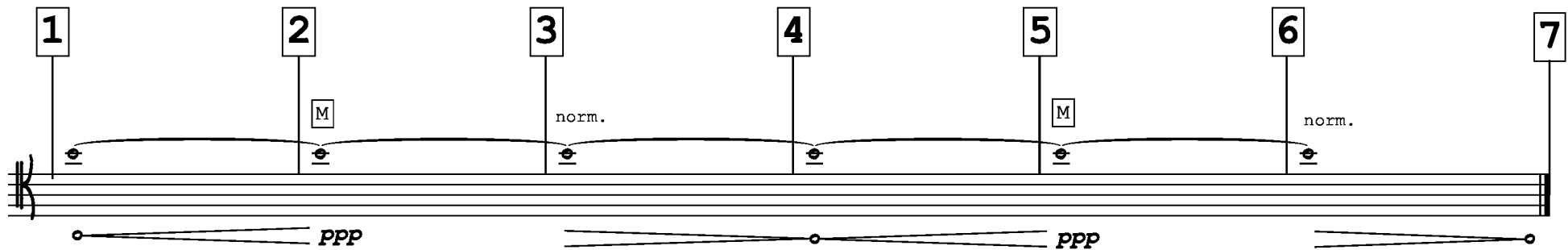
James Saunders



geometria situs

bassoon (2)

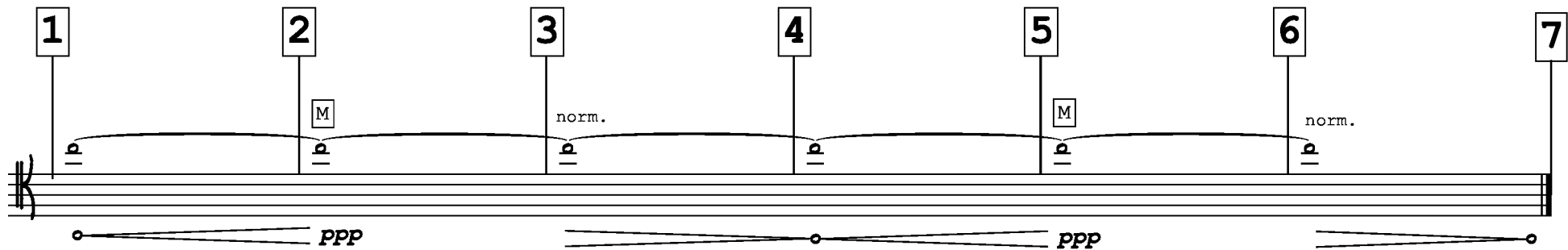
James Saunders



geometria situs

bassoon (3)

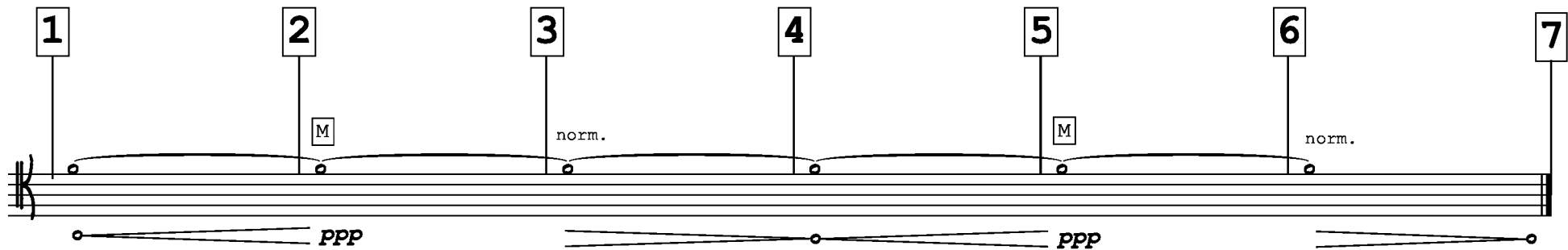
James Saunders



geometria situs

bassoon (4)

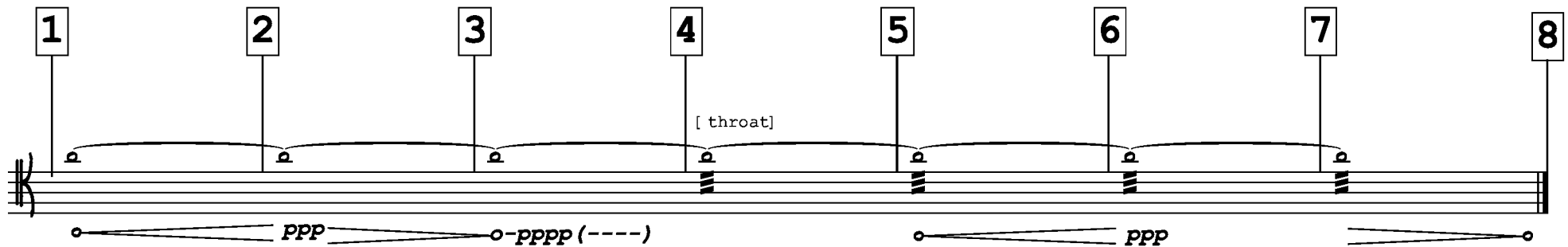
James Saunders



geometria situs

bassoon (5)

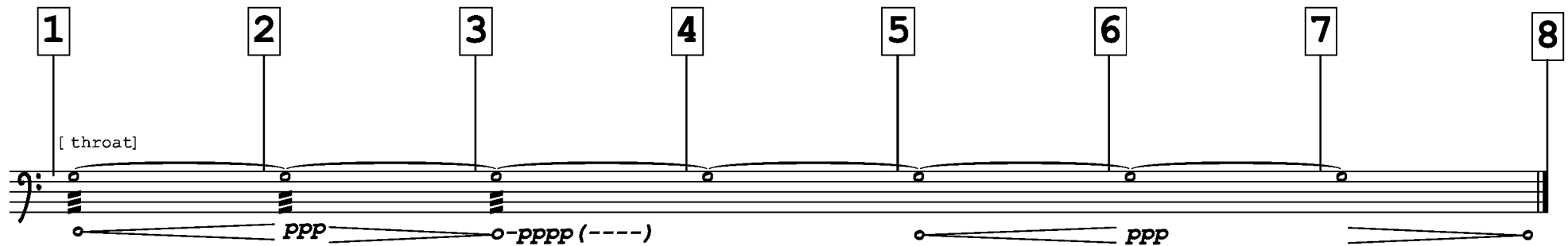
James Saunders



geometria situs

bassoon (6)

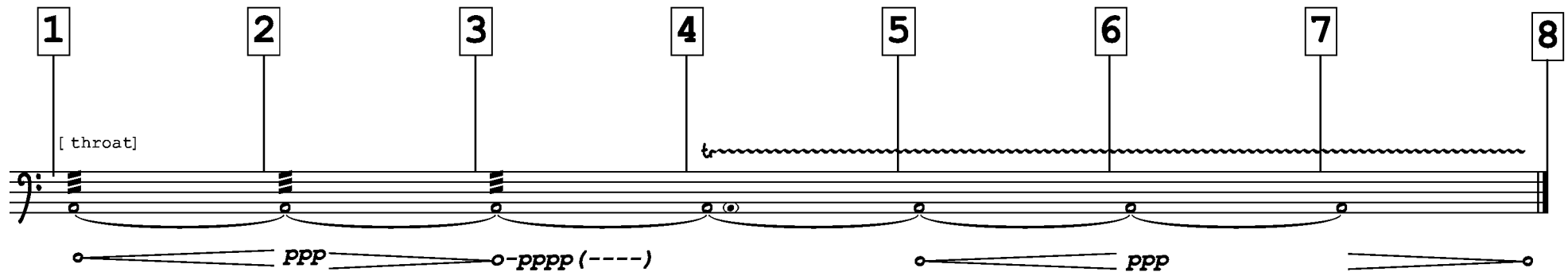
James Saunders



geometria situs

bassoon (7)

James Saunders



geometria situs

bassoon (8)

James Saunders

1 2 3 4 5 6 7 8

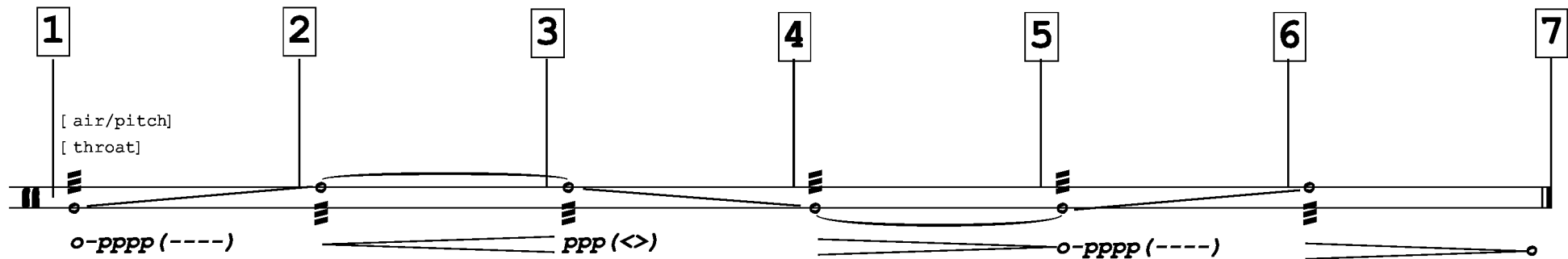
[throat]

ppp *pppp (-----)* *ppp*

geometria situs

bassoon (9)

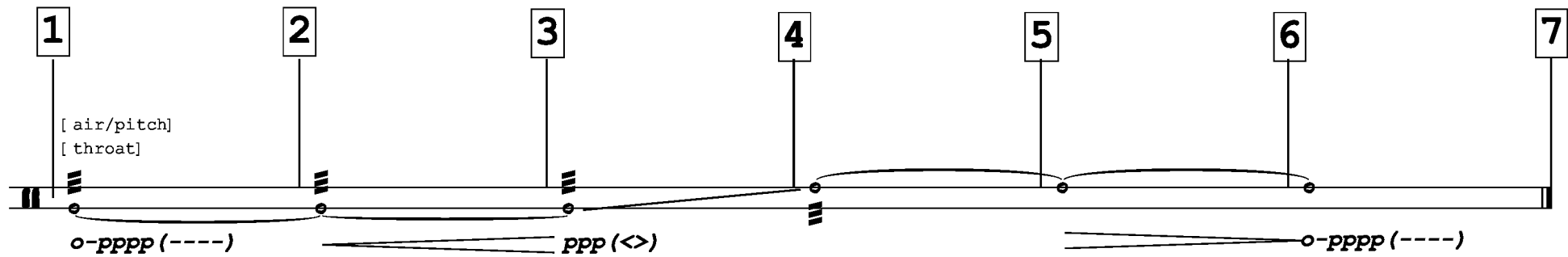
James Saunders



geometria situs

bassoon (10)

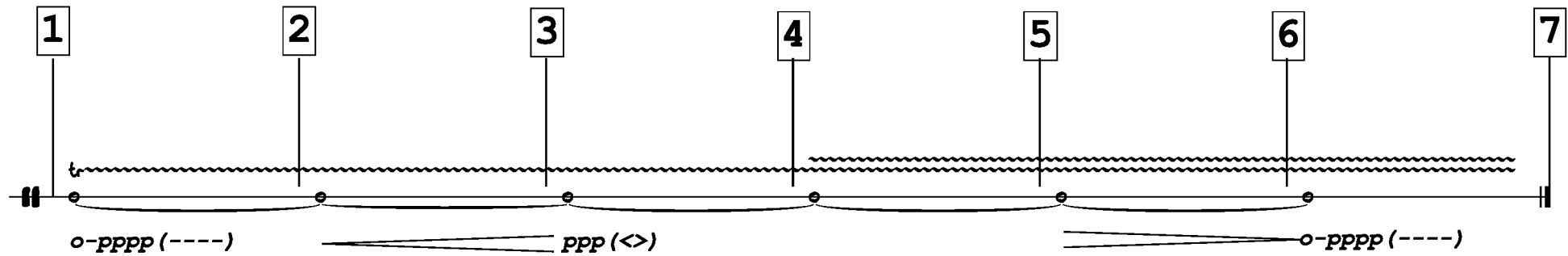
James Saunders



geometria situs

bassoon (11)

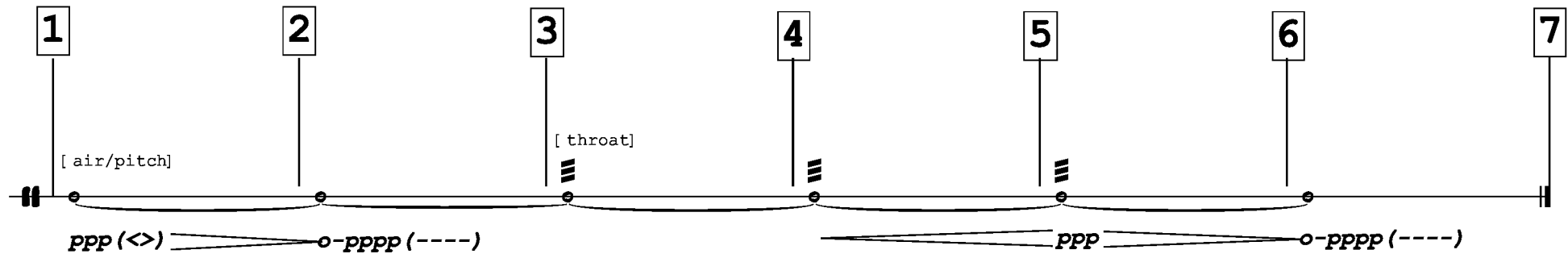
James Saunders



geometria situs

bassoon (12)

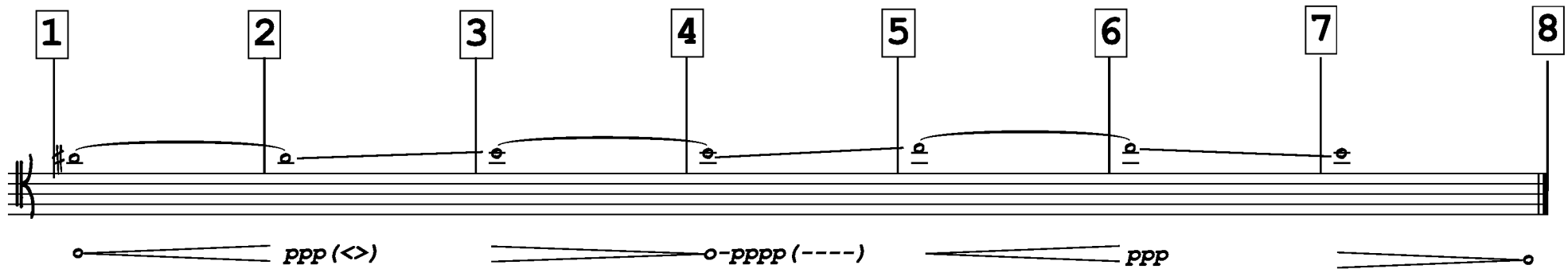
James Saunders



geometria situs

bassoon (13)

James Saunders



geometria situs

bassoon (14)

James Saunders

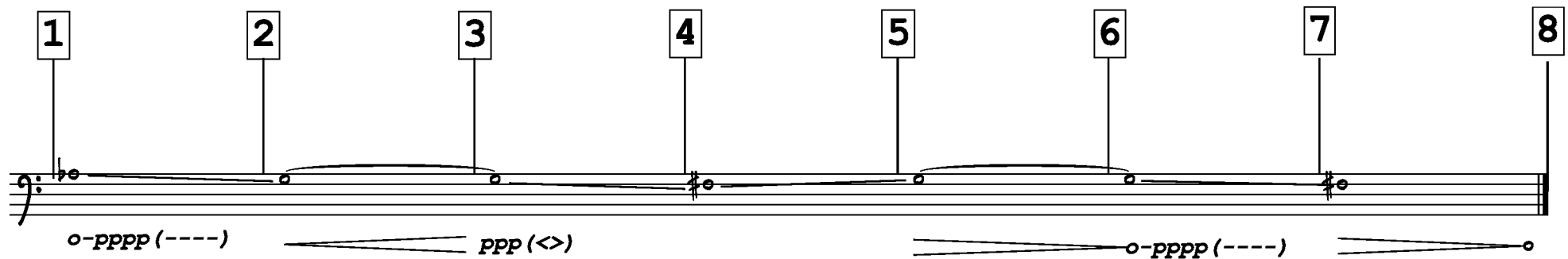
1 2 3 4 5 6 7

ppp (< >) *o-pppp (-----)* *ppp*

geometria situs

bassoon (15)

James Saunders



geometria situs

bassoon (16)

James Saunders

1 2 3 4 5 6 7

o-pppp (----) *ppp (<>)* *o-pppp (----)*

geometria situs

bassoon (17)

James Saunders

1 2 3 4 5 6 7

[rolling tone]

accel.

rall.

ppp

o-pppp (----)

ppp

geometria situs

bassoon (18)

James Saunders

1 2 3 4 5 6 7

[rolling tone]

rall.

accel.

o-pppp (----)

ppp

o-pppp (----)

geometria situs

horn (1)

James Saunders

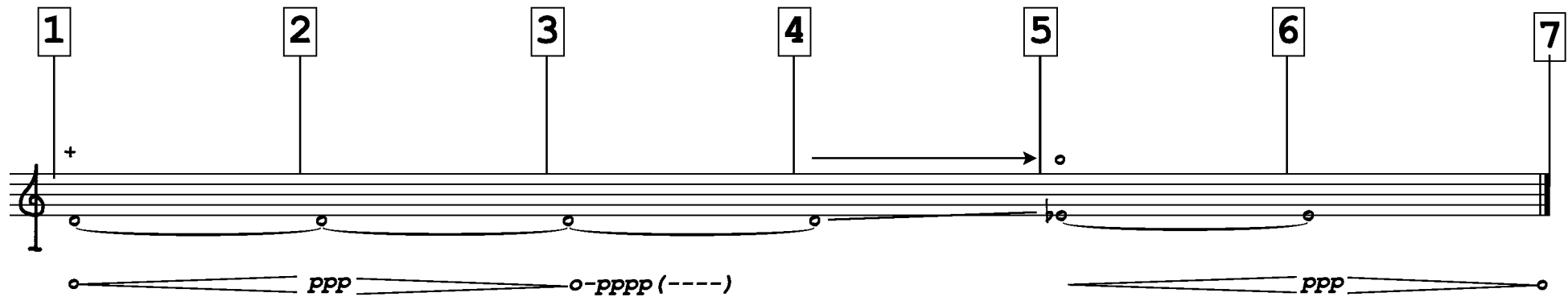
1 2 3 4 5 6 7

ppp o-pppp (-----) ppp

geometria situs

horn (2)

James Saunders



geometria situs

horn (3)

James Saunders

The musical score is written on a single staff with a treble clef and a key signature of one flat (B-flat). The score is divided into six numbered measures (1-6) by vertical lines. Above the staff, the numbers 1 through 6 are enclosed in boxes. Below the staff, there are several musical notations and dynamic markings:

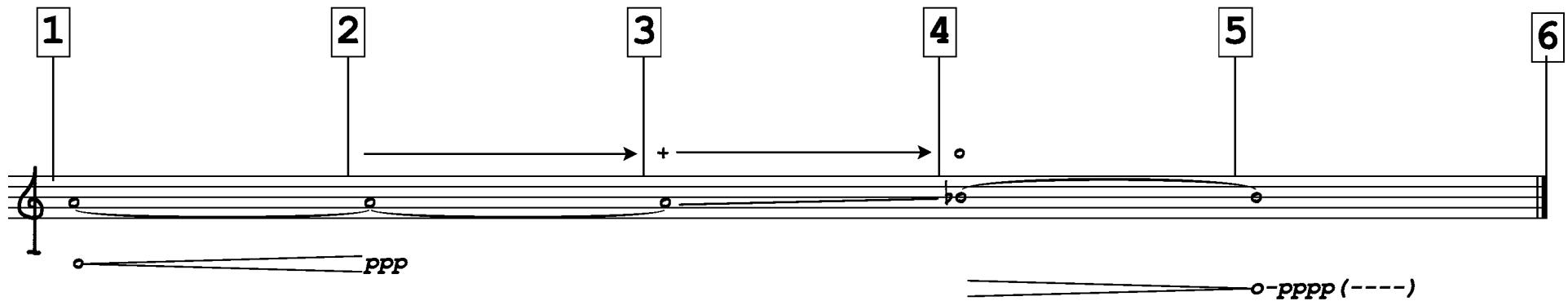
- Measure 1: A whole note with a flat (B-flat) and a dynamic marking of *o-pppp (-----)*.
- Measure 2: A whole note with a flat (B-flat) and a dynamic marking of *ppp*.
- Measure 3: A whole note with a flat (B-flat) and a dynamic marking of *ppp*.
- Measure 4: A whole note with a flat (B-flat) and a dynamic marking of *o-pppp (-----)*.
- Measure 5: A whole note with a flat (B-flat) and a dynamic marking of *o-pppp (-----)*.
- Measure 6: A whole note with a flat (B-flat) and a dynamic marking of *o-pppp (-----)*.

There are also several horizontal lines with arrows pointing to the right, indicating a sequence of notes or rests. These lines are located above the staff, starting from the first measure and ending at the sixth measure. The lines are labeled with numbers 1 through 6, corresponding to the measures. The lines are labeled with numbers 1 through 6, corresponding to the measures. The lines are labeled with numbers 1 through 6, corresponding to the measures.

geometria situs

horn (4)

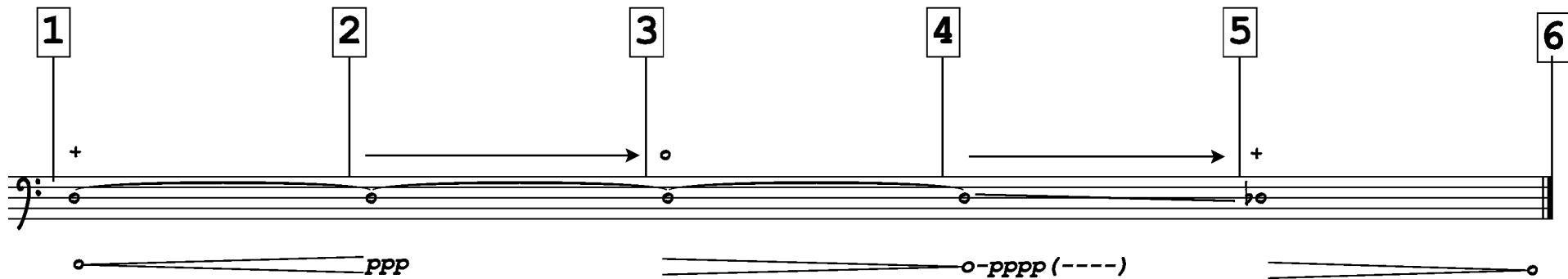
James Saunders



geometria situs

horn (5)

James Saunders



geometria situs

horn (6)

James Saunders

The musical score is written on a single staff with a bass clef and a key signature of one flat. The score consists of seven measures, each marked with a number in a box above the staff. The notes are as follows:

- Measure 1: Quarter note, dynamic *o-pppp (-----)*.
- Measure 2: Quarter note, dynamic *ppp*, marked with a '+' above the staff.
- Measure 3: Quarter note, dynamic *ppp*.
- Measure 4: Quarter note, dynamic *o-pppp (-----)*, marked with a '+' above the staff.
- Measure 5: Quarter note, dynamic *ppp*.
- Measure 6: Quarter note, dynamic *ppp*, marked with a '+' above the staff.
- Measure 7: Quarter note, dynamic *ppp*.

Arrows indicate slurs or phrasing across measures 1-2, 3-4, and 5-6. The dynamics *pppp* and *ppp* are written below the staff, with *pppp* often followed by a dashed line indicating a sustained or breath-held sound.

geometria situs

horn (7)

James Saunders

The musical score is written on a single staff with a bass clef and a repeat sign at the end. The score is divided into seven measures, numbered 1 through 7. Measure 1 contains a whole note with a dynamic marking of *pppp* (-----). Measure 2 contains a whole note with a dynamic marking of *ppp*. Measure 3 contains a whole note with a dynamic marking of *pppp* (-----). Measure 4 contains a whole note with a dynamic marking of *ppp*. Measure 5 contains a whole note with a dynamic marking of *pppp* (-----). Measure 6 contains a whole note with a dynamic marking of *ppp*. Measure 7 contains a whole note with a dynamic marking of *pppp* (-----). The score is marked with various dynamics including *pppp* (-----) and *ppp*. The notation includes notes, rests, and dynamic markings.

geometria situs

horn (8)

James Saunders

The musical score is written on a single staff with a bass clef. It consists of seven measures, each marked with a number in a box above the staff. The notation includes notes, rests, and dynamic markings.

- Measure 1: A whole note with a dynamic marking of *pppp* (-----) below it.
- Measure 2: A whole note with a dynamic marking of *pppp* (-----) below it.
- Measure 3: A whole note with a dynamic marking of *ppp* below it.
- Measure 4: A whole note with a dynamic marking of *ppp* below it.
- Measure 5: A whole note with a dynamic marking of *pppp* (-----) below it.
- Measure 6: A whole note with a dynamic marking of *pppp* (-----) below it.
- Measure 7: A whole note with a dynamic marking of *pppp* (-----) below it.

Additional markings include a '+' sign between measures 2 and 3, and a '+' sign between measures 4 and 5. The score ends with a double bar line at the end of measure 7.

geometria situs

horn (9)

James Saunders

1

2

3

4

5

6

mute

[throat]

o-pppp (-----)

ppp

o-pppp (-----)

geometria situs

horn (10)

James Saunders

1

2

3

4

5

6

mute
[throat]

[throat]

ppp

pppp (-----)

The musical score is written on a single staff with a bass clef. It consists of six measures, each marked with a number in a box above the staff. Measure 1 includes a 'mute' instruction in a box and '[throat]' below it. Measure 5 also includes '[throat]' below it. Below the staff, there are two dynamic markings: '*ppp*' under measure 1 and '*pppp (-----)*' under measure 4. The staff features a series of horizontal lines with small circles at the beginning of each measure, connected by a continuous line that tapers towards the end of the piece.

geometria situs

horn (11)

James Saunders

1 2 3 4 5 6 7

mute

[throat]

o-pppp (-----) *ppp* *o-pppp (-----)*

geometria situs

horn (12)

James Saunders

1

2

3

4

5

6

7

mute

[throat]

[throat]

ppp

pppp (-----)

ppp

geometria situs

horn (13)

James Saunders

1 2 3 4 5 6 7

mute
[throat]

pppp (-----) *ppp* *pppp (-----)*

geometria situs

horn (14)

James Saunders

1

2

3

4

5

6

mute
[throat]

o-pppp (-----)

ppp

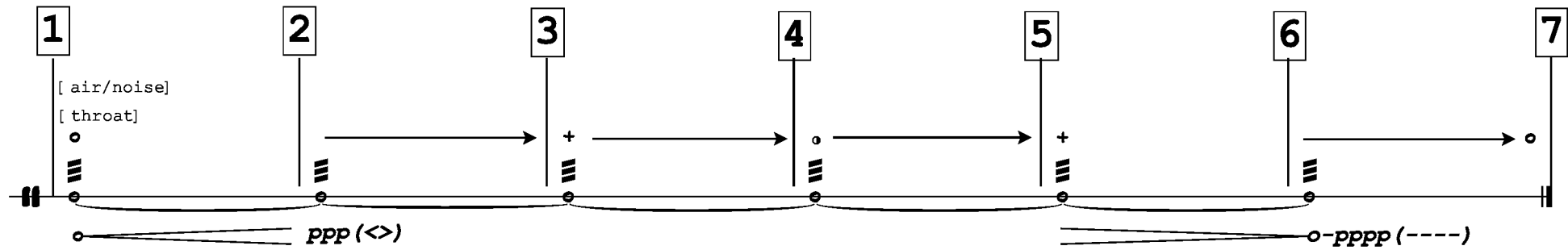
o-pppp (-----)

The musical score is written on a single staff with a treble clef and a key signature of one flat (B-flat). It consists of six measures, each containing a half note. The notes are connected by a long slur. Above the staff, six numbered boxes (1 through 6) are connected to the notes by vertical lines. Below the staff, there are three dynamic markings: *o-pppp (-----)* at the beginning, *ppp* in the middle, and *o-pppp (-----)* at the end. A performance instruction **mute** [throat] is written above the first measure. The staff ends with a double bar line.

geometria situs

horn (15)

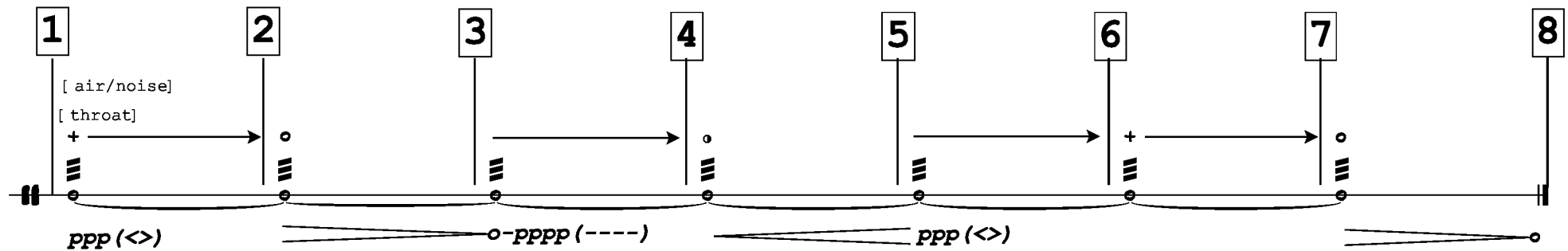
James Saunders



geometria situs

horn (16)

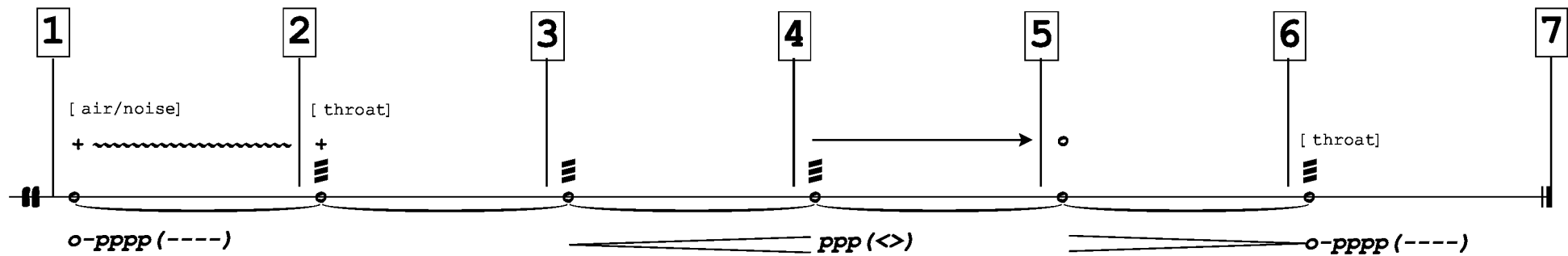
James Saunders



geometria situs

horn (17)

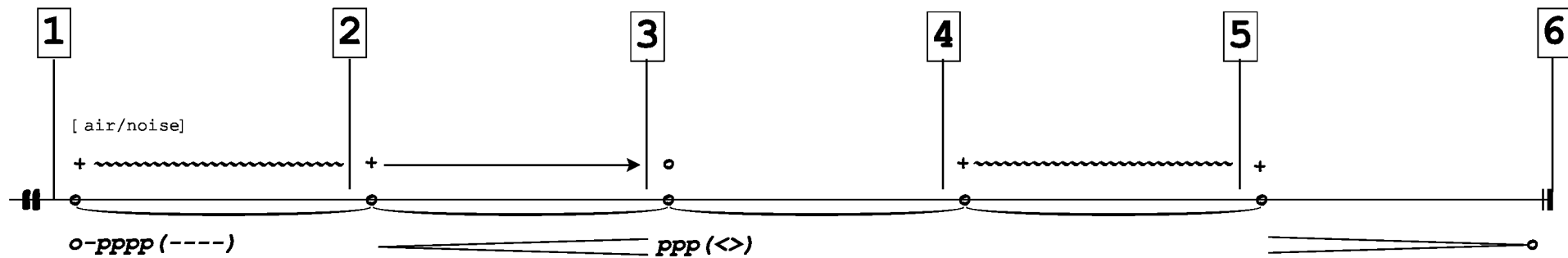
James Saunders



geometria situs

horn (18)

James Saunders



geometria situs

horn (19)

James Saunders

1

2

3

4

5

6

stopping mute

[throat]

o-pppp (-----)

ppp

o-pppp (-----)

geometria situs

horn (20)

James Saunders

1 2 3 4 5 6 7

stopping mute

[throat]

[throat]

o-pppp (-----)

ppp

o-pppp (-----)

geometria situs

horn (21)

James Saunders

1 2 3 4 5 6

o-pppp (-----) ppp

geometria situs

horn (22)

James Saunders

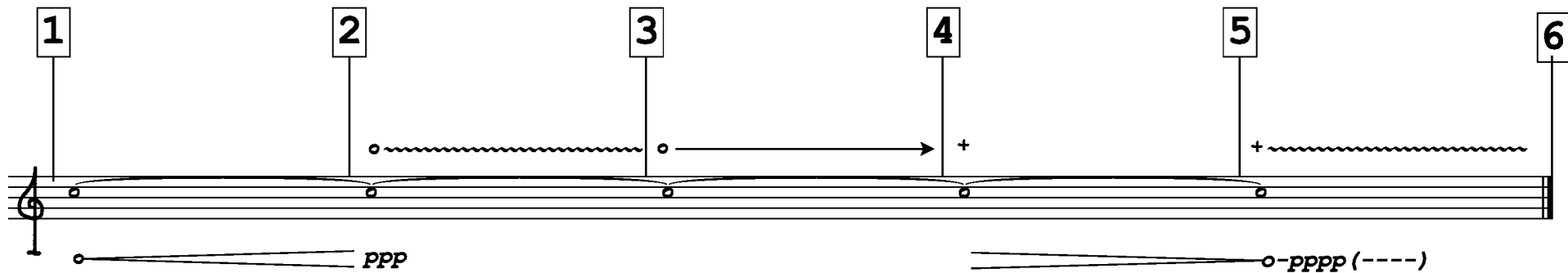
1 2 3 4 5 6

o-pppp (-----) ppp

geometria situs

horn (23)

James Saunders



geometria situs

horn (24)

James Saunders

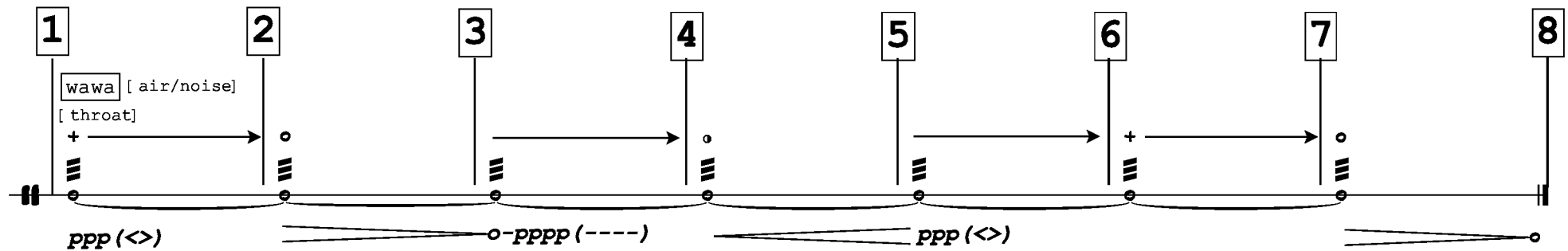
The musical score is written on a single staff with a bass clef and a repeat sign at the end. It consists of seven numbered measures, each with a vertical line and a number in a box above it. The notation includes notes, rests, and dynamic markings.

- Measure 1: A half note on the first line, marked *o-pppp (-----)* below.
- Measure 2: A half note on the first line, marked with a wavy line and a plus sign above.
- Measure 3: A half note on the first line, marked with a wavy line and a plus sign above.
- Measure 4: A half note on the first line, marked with a wavy line and a plus sign above.
- Measure 5: A half note on the first line, marked *ppp* below.
- Measure 6: A half note on the first line, marked *o-pppp (-----)* below.
- Measure 7: A half note on the first line, marked *o-pppp (-----)* below.

geometria situs

trumpet (1)

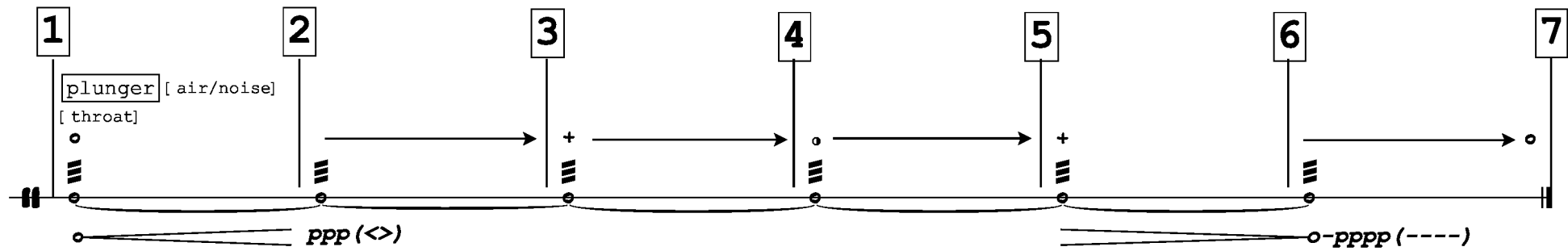
James Saunders



geometria situs

trumpet (2)

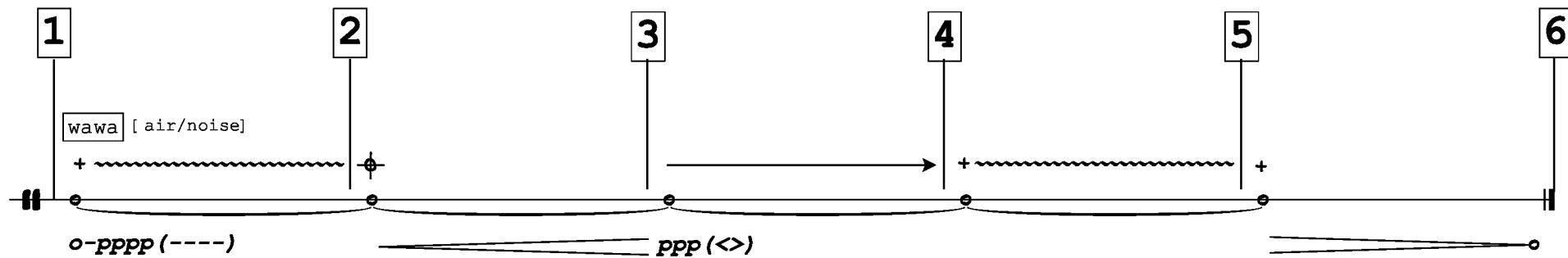
James Saunders



geometria situs

trumpet (3)

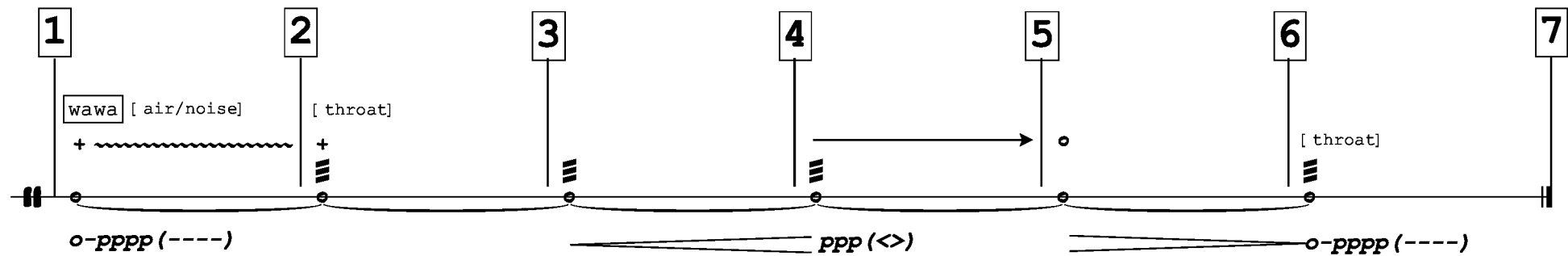
James Saunders



geometria situs

trumpet (4)

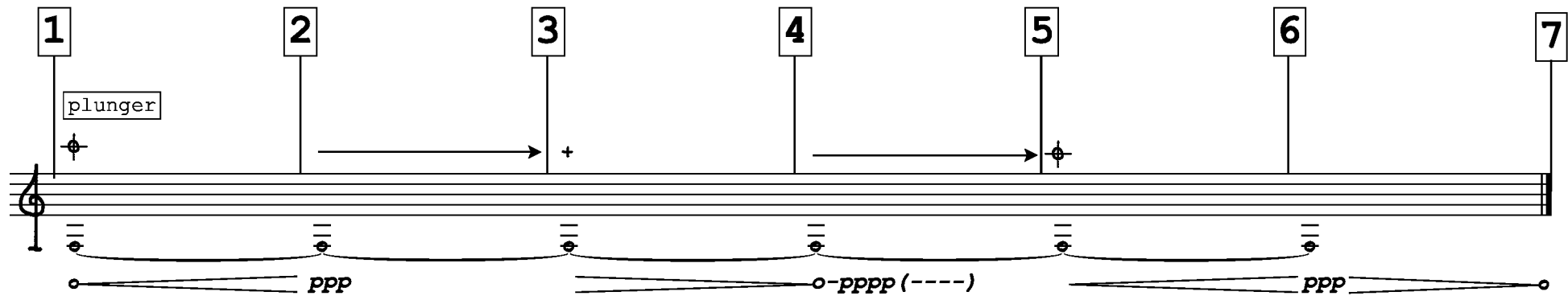
James Saunders



geometria situs

trumpet (5)

James Saunders



geometria situs

trumpet (6)

James Saunders

1 2 3 4 5 6 7

plunger

[throat]

+

o-pppp (-----) ppp o-pppp (-----)

geometria situs

trumpet (7)

James Saunders

1

2

3

4

5

6

plunger

+

+

+

+

+

+

o-pppp (-----)

ppp

o-pppp (-----)

geometria situs

trumpet (8)

James Saunders

1 2 3 4 5 6 7 8

plunger

[throat]

o-pppp (-----) ppp o-pppp (-----)

The musical score is written on a single staff with a treble clef and a key signature of one flat. It consists of eight measures, each marked with a number in a box above the staff. Measure 1 begins with a 'plunger' instruction and a note with a plunger symbol. Measure 2 contains a note. Measure 3 contains a note. Measure 4 contains a note with a '+' symbol. Measure 5 contains a note with a '[throat]' instruction. Measure 6 contains a note. Measure 7 contains a note with a plunger symbol. Measure 8 contains a note. Below the staff, there are dynamic markings: 'o-pppp (-----)' under measures 1-2, 'ppp' under measures 3-4, 'o-pppp (-----)' under measures 5-6, and a final note under measure 8. There are also slurs and wedge-shaped markings indicating crescendos and decrescendos across the measures.

geometria situs

trumpet (9)

James Saunders

1

2

3

4

5

6

plunger

[throat]

+

o-pppp (-----)

ppp

o-pppp (-----)

geometria situs

trumpet (10)

James Saunders

1 wawa [throat] +

2

3

4

5

6

7

o-pppp (-----) ppp o-pppp (-----)

geometria situs

trumpet (11)

James Saunders

1

2

3

4

5

6

wawa

[throat]

+

+

+

+

+

o-pppp (-----)

ppp

o-pppp (-----)

geometria situs

trumpet (12)

James Saunders

The musical score is written on a single staff with a treble clef. It consists of seven measures, numbered 1 through 7. Measure 1 begins with a note on the first line (F4) marked with a box containing the number '1' and the text 'wawa'. Measure 2 contains a plus sign (+) on the first line, marked with a box containing the number '2'. Measure 3 contains a note on the first line (F4) marked with a box containing the number '3'. Measure 4 contains a plus sign (+) on the first line, marked with a box containing the number '4'. Measure 5 contains a note on the first line (F4) marked with a box containing the number '5'. Measure 6 contains a plus sign (+) on the first line, marked with a box containing the number '6'. Measure 7 contains a note on the first line (F4) marked with a box containing the number '7'. Below the staff, there are three dynamic markings: 'o-pppp (-----)' under measures 1 and 2, 'ppp' under measures 3 and 4, and 'o-pppp (-----)' under measures 5 and 6. The score ends with a double bar line at the end of measure 7.

geometria situs

trumpet (13)

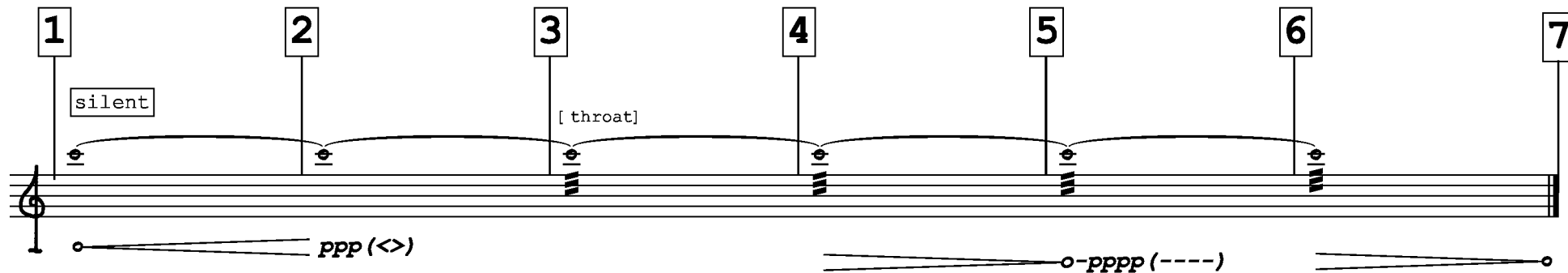
James Saunders

The musical score for trumpet (13) is written on a single staff with a treble clef and a key signature of one flat. The score consists of eight measures, numbered 1 through 8. Measure 1 begins with a 'wawa' marking above a plus sign, followed by a half note. Measure 2 contains a half note. Measure 3 features a half note with a wavy line above it. Measure 4 has a half note. Measure 5 contains a half note. Measure 6 begins with a plus sign, followed by a half note. Measure 7 contains a half note. Measure 8 ends with a double bar line. Below the staff, there are dynamic markings: 'o-pppp (-----)' at the beginning, 'ppp' in the middle, and 'o-pppp (-----)' towards the end. There are also two sets of slanted lines, one above and one below the staff, indicating a crescendo or decrescendo.

geometria situs

trumpet (14)

James Saunders



geometria situs

trumpet (15)

James Saunders

1 2 3 4 5 6 7

plunger

[throat]

o-pppp (-----)

ppp (< >)

o-pppp (-----)

geometria situs

trumpet (16)

James Saunders

1

2

3

4

5

6

silent

[throat]

ppp (<>)

pppp (-----)

geometria situs

trumpet (17)

James Saunders

1 2 3 4 5 6 7

silent

[throat]

o-pppp (----)

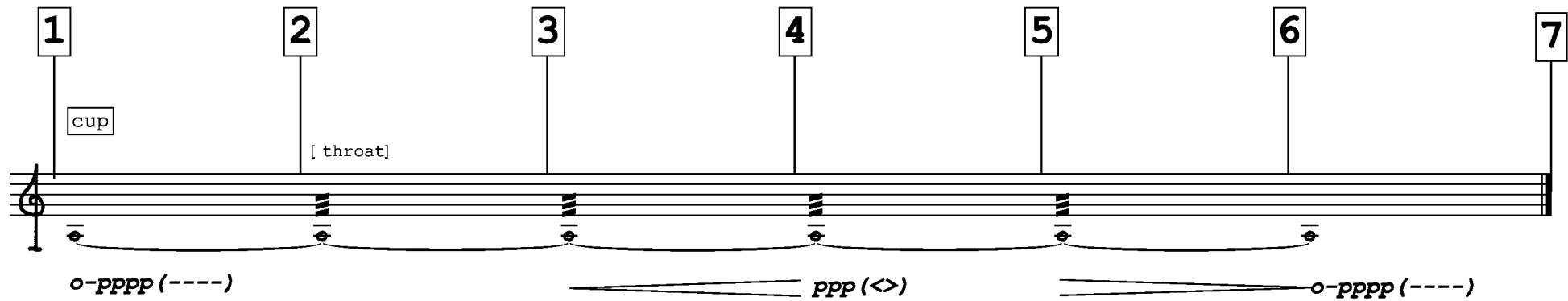
ppp (<>)

o-pppp (----)

geometria situs

trumpet (18)

James Saunders



geometria situs

trombone (1)

James Saunders

The musical score is written on a single staff with a bass clef and a repeat sign at the end. The score is divided into seven numbered measures (1-7) by vertical lines. Measure 1 contains a plunger articulation (a circle with a cross) and a dynamic marking of *ppp*. Measure 2 contains a dynamic marking of *ppp*. Measure 3 contains a dynamic marking of *pppp* (indicated by a dashed line) and a plunger articulation. Measure 4 contains a dynamic marking of *ppp*. Measure 5 contains a dynamic marking of *ppp*. Measure 6 contains a dynamic marking of *ppp*. Measure 7 contains a dynamic marking of *ppp*. The score also includes a plunger articulation in measure 1, a plunger articulation in measure 3, and a plunger articulation in measure 5. The score is titled 'geometria situs' and is for trombone (1) by James Saunders.

1 plunger

2

3 +

4

5

6

7

ppp

pppp (----)

ppp

geometria situs

trombone (2)

James Saunders

1
plunger
+ —————> o

2

3 —————> o

4

5 —————> +

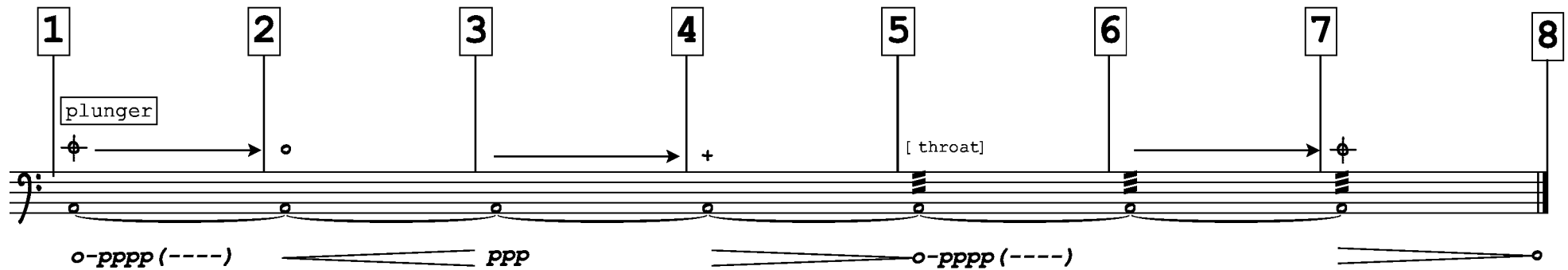
6

o-pppp (-----) ppp o-pppp (-----)

geometria situs

trombone (3)

James Saunders



geometria situs

trombone (4)

James Saunders

1
plunger
[throat]
+ —————>

2

3

4

5

6

o-pppp (-----)

ppp

o-pppp (-----)

geometria situs

trombone (5)

James Saunders

1 wawa
[throat]
+ —————> o

2

3 —————> o

4 —————> o

5 —————> o

6 —————> +

7

o-pppp (-----) *ppp* o-pppp (-----)

geometria situs

trombone (6)

James Saunders

1
wawa
[throat]

2

3

4

5

6

o-pppp (-----) ppp

o-pppp (-----)

The musical score is written on a single staff with a bass clef. It consists of six measures, each marked with a number in a box above the staff. Measure 1 contains a note with a box labeled 'wawa' and '[throat]' above it. Measure 2 is empty. Measure 3 contains a note with a '+' sign above it. Measure 4 contains a note with a '+' sign above it. Measure 5 is empty. Measure 6 contains a note. Below the staff, there are two performance instructions: 'o-pppp (-----) ppp' under measures 1-3, and 'o-pppp (-----)' under measures 4-6. Arrows indicate a crescendo from measure 1 to 3 and a decrescendo from measure 4 to 6.

geometria situs

trombone (7)

James Saunders

The musical score is written on a single staff with a bass clef. It consists of seven measures, each marked with a number in a box above the staff. The notation includes notes, rests, and dynamic markings.

- Measure 1:** Starts with a note on the first line (F2). Above the note is a box containing the text "wawa".
- Measure 2:** Contains a rest. Above the staff is a "+" sign.
- Measure 3:** Contains a note on the first line (F2).
- Measure 4:** Contains a rest.
- Measure 5:** Contains a note on the first line (F2). Above the note is a "+" sign.
- Measure 6:** Contains a rest.
- Measure 7:** Contains a note on the first line (F2).

Below the staff, there are three dynamic markings with horizontal lines indicating their duration:

- o-pppp (-----):** Spans from the beginning of Measure 1 to the end of Measure 2.
- ppp:** Spans from the beginning of Measure 3 to the end of Measure 4.
- o-pppp (-----):** Spans from the beginning of Measure 5 to the end of Measure 7.

geometria situs

trombone (8)

James Saunders

1 2 3 4 5 6 7

bucket

o-pppp (-----)

ppp (<>)

geometria situs

trombone (9)

James Saunders

1 2 3 4 5 6 7 8

straight

ppp (< >)

pppp (----)

geometria situs

trombone (10)

James Saunders

1
wawa
+

2
[throat]

3

4

5

6
[throat]

7

8

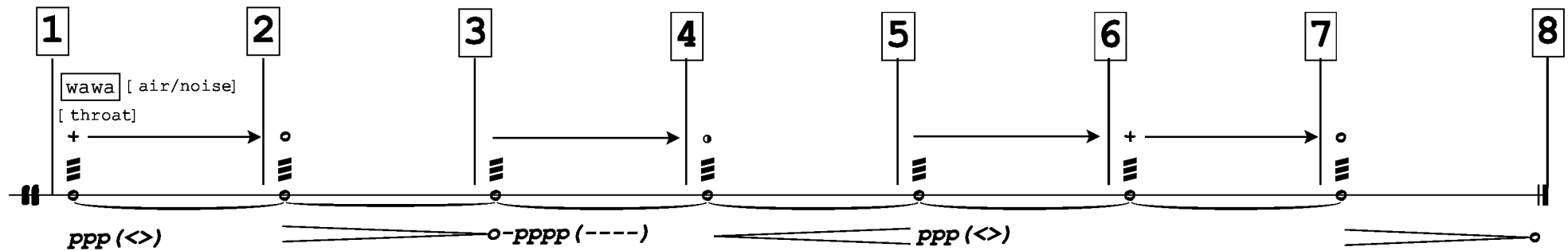
ppp (< >)

pppp (----)

geometria situs

trombone (11)

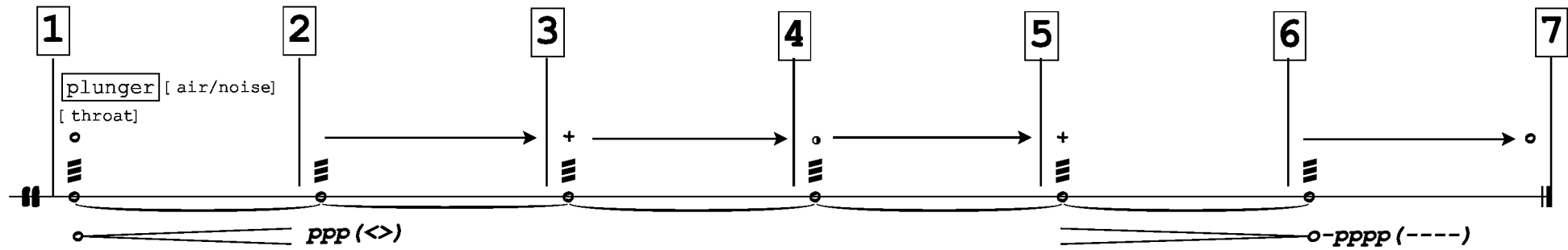
James Saunders



geometria situs

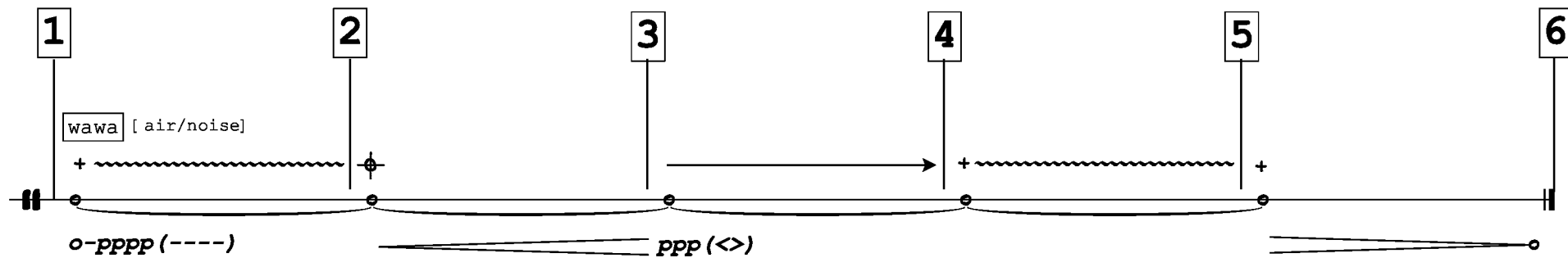
trombone (12)

James Saunders



trombone (13)

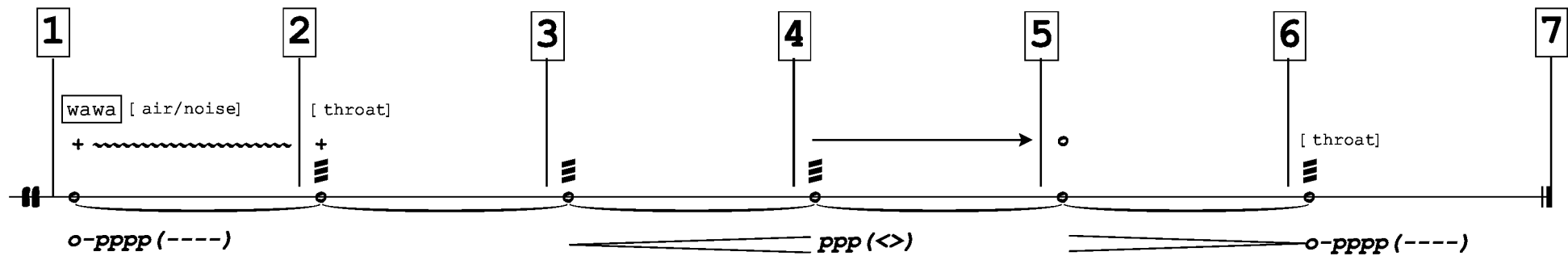
James Saunders



geometria situs

trombone (14)

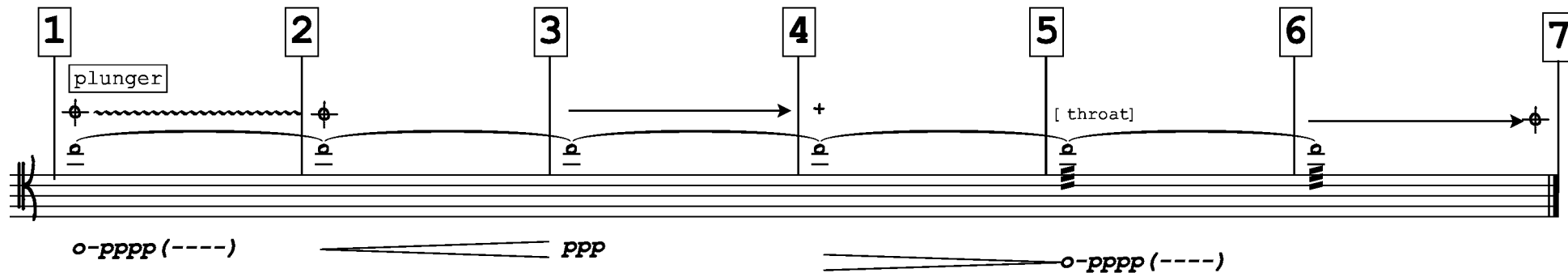
James Saunders



geometria situs

trombone (15)

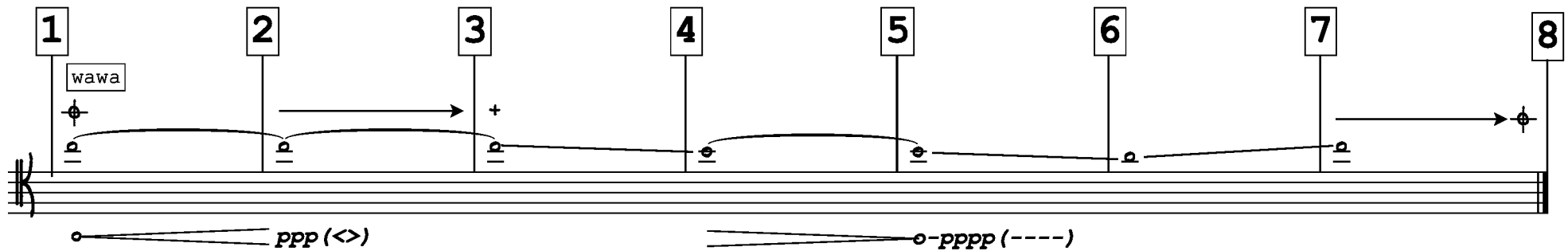
James Saunders



geometria situs

trombone (16)

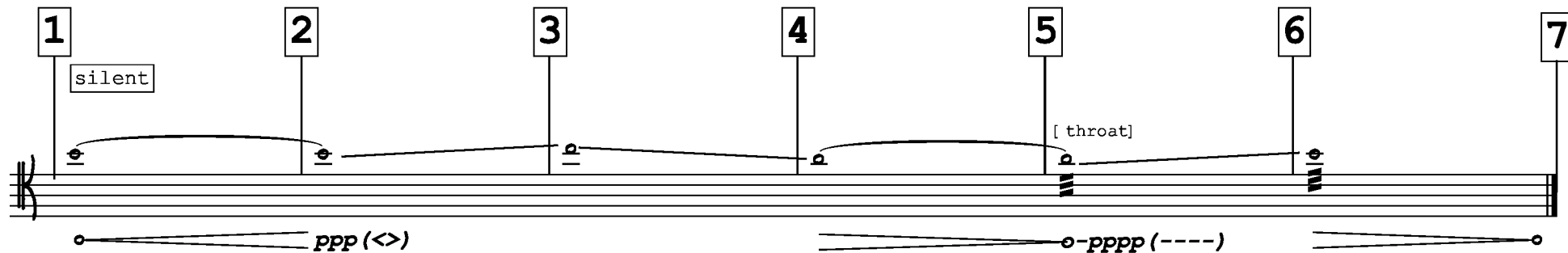
James Saunders



geometria situs

trombone (17)

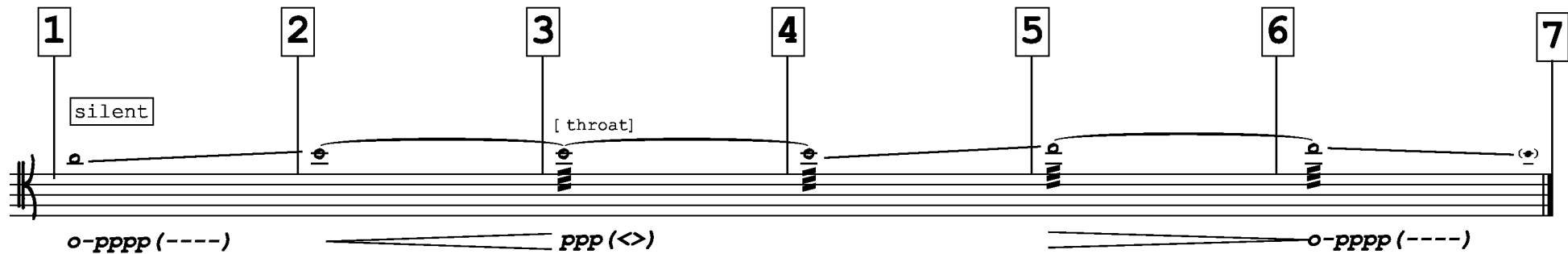
James Saunders



geometria situs

trombone (18)

James Saunders



geometria situs

trombone (19)

James Saunders

1 bucket

2

3 [throat]

4

5

6

7

o-pppp (-----)

ppp (< >)

o-pppp (-----)

geometria situs

trombone (20)

James Saunders

1

2

3

4

5

6

7

cup

[throat]

ppp (<>)

pppp (-----)

geometria situs

trombone (21)

James Saunders

The musical score is written on a single staff with a bass clef. It consists of seven measures, each marked with a number in a box above the staff. The notation includes notes, rests, and dynamic markings.

- Measure 1:** Starts with a note on the first line (F4). A box labeled "straight" is placed above the staff.
- Measure 2:** Contains a whole note on the first line (F4).
- Measure 3:** Contains a whole note on the first line (F4).
- Measure 4:** Contains a whole note on the first line (F4).
- Measure 5:** Contains a whole note on the first line (F4).
- Measure 6:** Contains a whole note on the first line (F4).
- Measure 7:** Ends with a double bar line.

Below the staff, there are two dynamic markings with slurs:

- Dynamic 1:** *ppp (< >)* with a slur covering measures 1 through 4.
- Dynamic 2:** *pppp (-----)* with a slur covering measures 5 through 7.

geometria situs

trombone (22)

James Saunders

1 2 3 4 5 6 7

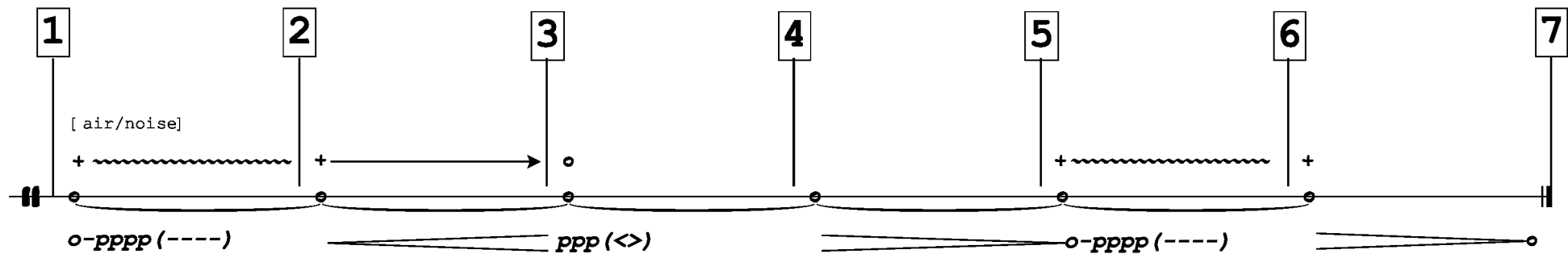
bucket

o-pppp (-----) ppp (<>)

geometria situs

trombone (23)

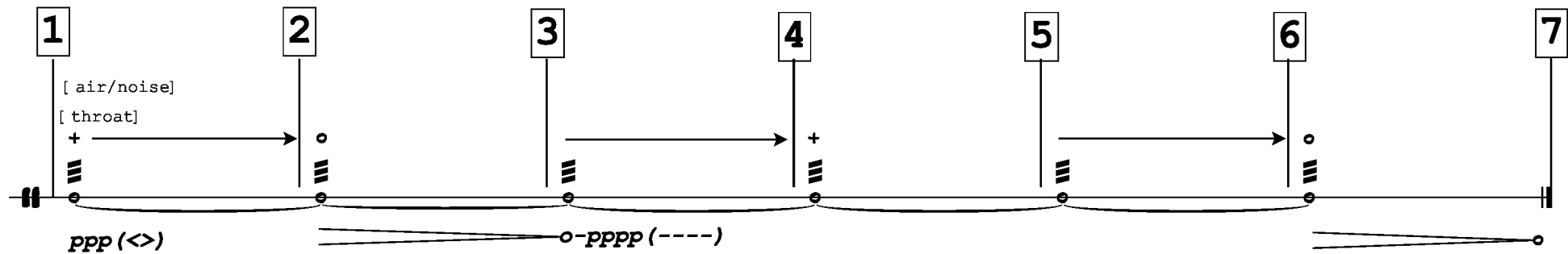
James Saunders



geometria situs

trombone (24)

James Saunders



geometria situs

tuba (1)

James Saunders

The musical score for tuba (1) is written on a single staff with a bass clef. The score consists of seven measures, numbered 1 through 7. Measure 1 begins with a 'mute' instruction. The notes are as follows:

- Measure 1: A half note with a flat (Bb) and a fermata, marked *ppp*.
- Measure 2: A half note with a flat (Bb) and a fermata.
- Measure 3: A half note with a flat (Bb) and a fermata.
- Measure 4: A half note with a flat (Bb) and a fermata, marked *pppp (-----)*.
- Measure 5: A half note with a flat (Bb) and a fermata.
- Measure 6: A half note with a flat (Bb) and a fermata, marked *ppp*.
- Measure 7: A half note with a flat (Bb) and a fermata.

geometria situs

tuba (2)

James Saunders

1

2

3

4

5

6

mute

o-pppp (-----)

ppp

o-pppp (-----)

geometria situs

tuba (3)

James Saunders

1 2 3 4 5 6 7 8

mute

[throat]

o-pppp (-----) *ppp* *o-pppp (-----)*

The musical score is written on a single staff with a bass clef and a repeat sign at the end. It features eight numbered measures (1-8) with various dynamics and articulations. Measure 1 starts with a 'mute' instruction. Measures 1-5 are connected by a slur, with dynamics *o-pppp (-----)* and *ppp*. Measures 6-8 are also connected by a slur, with dynamics *o-pppp (-----)* and *ppp*. Measure 6 includes a '[throat]' instruction. The score is written in a minimalist style with a focus on dynamics and articulation.

geometria situs

tuba (4)

James Saunders

1

2

3

4

5

6

mute

[throat]

o-pppp (-----)

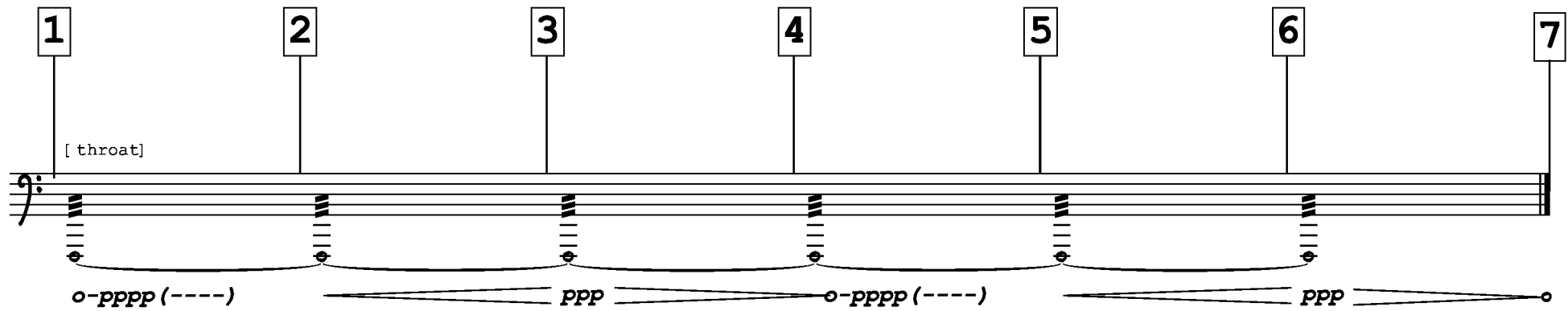
ppp

o-pppp (-----)

geometria situs

tuba (5)

James Saunders



geometria situs

tuba (6)

James Saunders

A musical score for tuba (6) consisting of six measures. The notation is on a single staff with a bass clef. Above the staff, six numbered boxes (1 through 6) are connected to the staff by vertical lines. Measure 1 is marked with a [throat] instruction. The notes are half notes, and the dynamics are indicated by a series of slurs and markings below the staff: *o-pppp (-----)* for measures 1-2, *ppp* for measures 2-3, *ppp* for measures 3-4, and *o-pppp (-----)* for measures 4-5. Measure 6 ends with a double bar line.

1 [throat]

2

3

4

5

6

o-pppp (-----)

ppp

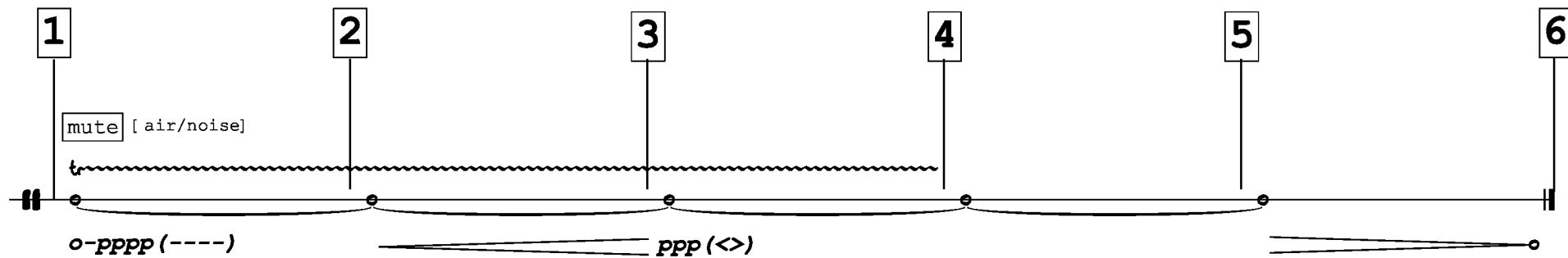
ppp

o-pppp (-----)

geometria situs

tuba (7)

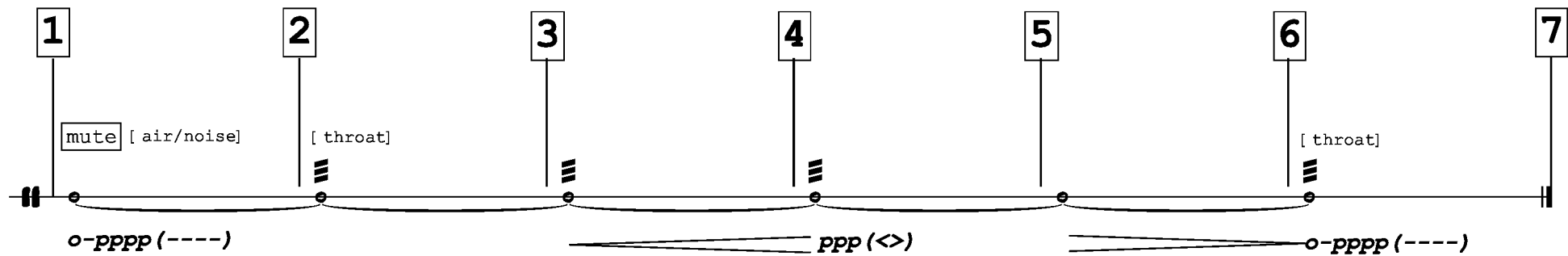
James Saunders



geometria situs

tuba (8)

James Saunders



geometria situs

tuba (9)

James Saunders

1

2

3

4

5

6

7

mute

o-pppp (-----)

ppp

o-pppp (-----)

+8-10

Detailed description: The musical score is written on a single staff with a bass clef. It consists of seven numbered measures. Measure 1 contains a whole note with a 'mute' instruction. Measure 2 contains a whole note with a wavy line above it. Measure 3 contains a whole note. Measure 4 contains a whole note. Measure 5 contains a whole note. Measure 6 contains a whole note. Measure 7 contains a whole note. Below the staff, there are three dynamic markings: 'o-pppp (-----)' under measures 1-2, 'ppp' under measures 3-5, and 'o-pppp (-----)' under measures 6-7. A box containing '+8-10' is located at the end of the staff.

geometria situs

tuba (10)

James Saunders

1

2

3

4

5

6

7

mute

o-pppp (-----)

ppp

o-pppp (-----)

The musical score is written on a single staff with a bass clef. It consists of seven measures, each marked with a number in a box above the staff. Measure 1 begins with a 'mute' instruction in a box. A horizontal wavy line, likely representing a tremolo, spans from the start of measure 3 to the end of measure 6. Below the staff, there are three dynamic markings: 'o-pppp (-----)' under measures 1-2, 'ppp' under measure 3, and 'o-pppp (-----)' under measures 5-6. The score ends with a double bar line at the end of measure 7.

geometria situs

tuba (11)

James Saunders

1 2 3 4 5 6

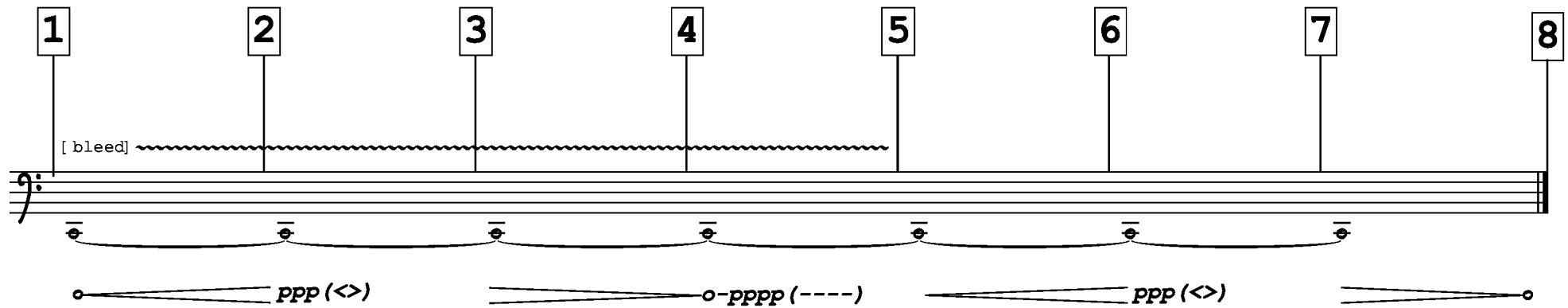
[bleed]

o-pppp (-----) *ppp* *o-pppp (-----)*

geometria situs

tuba (12)

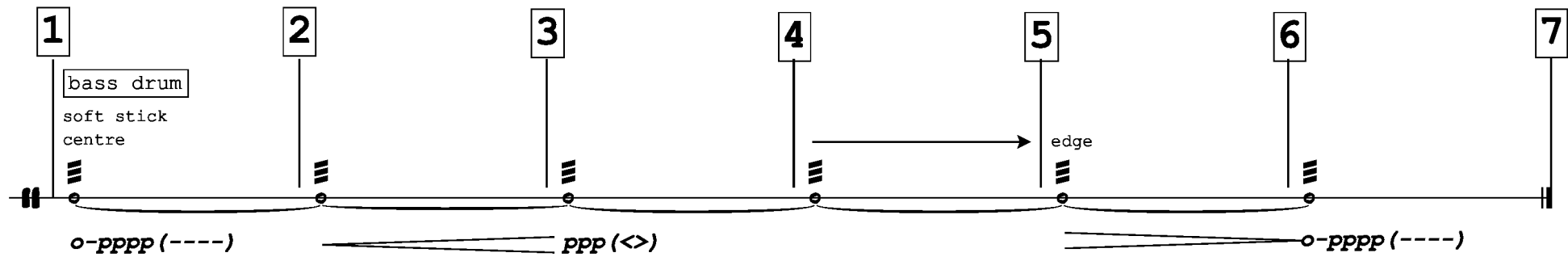
James Saunders



geometria situs

percussion (1)

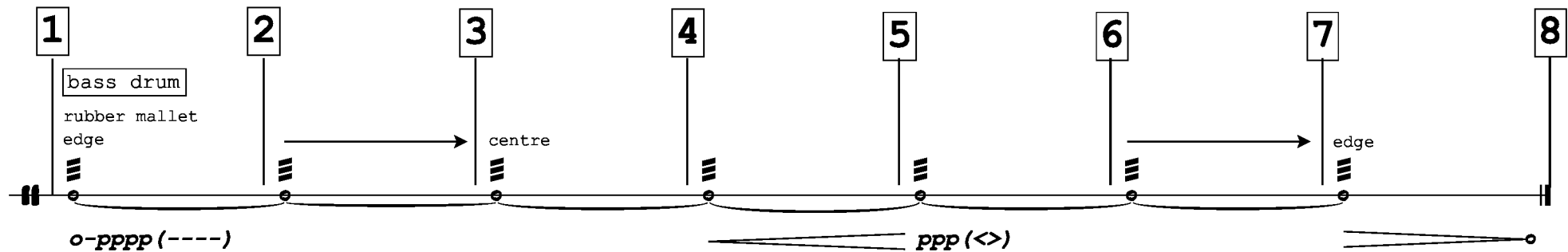
James Saunders



geometria situs

percussion (2)

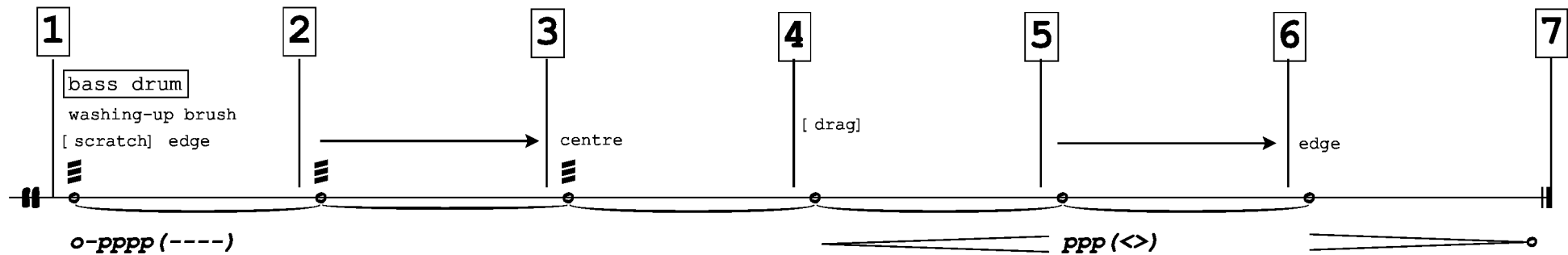
James Saunders



geometria situs

percussion (3)

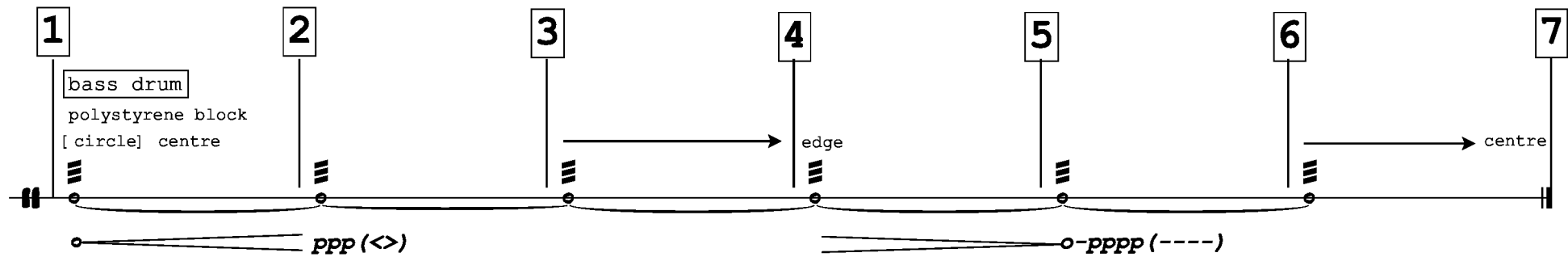
James Saunders



geometria situs

percussion (4)

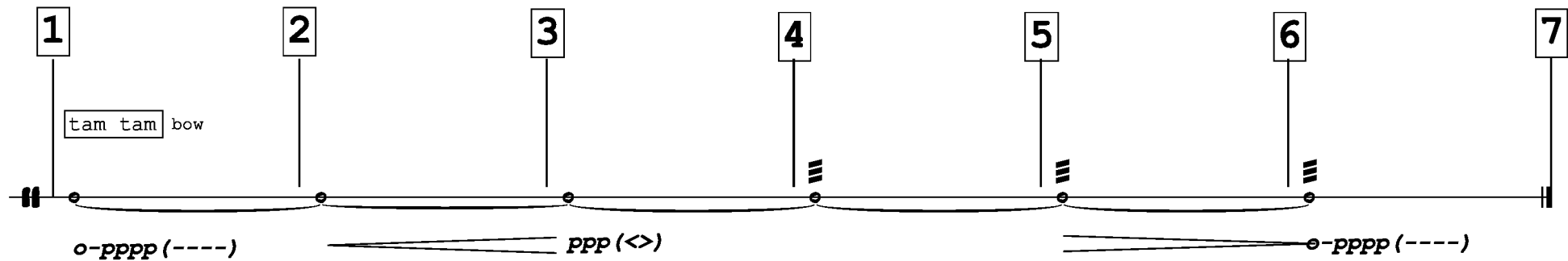
James Saunders



geometria situs

percussion (5)

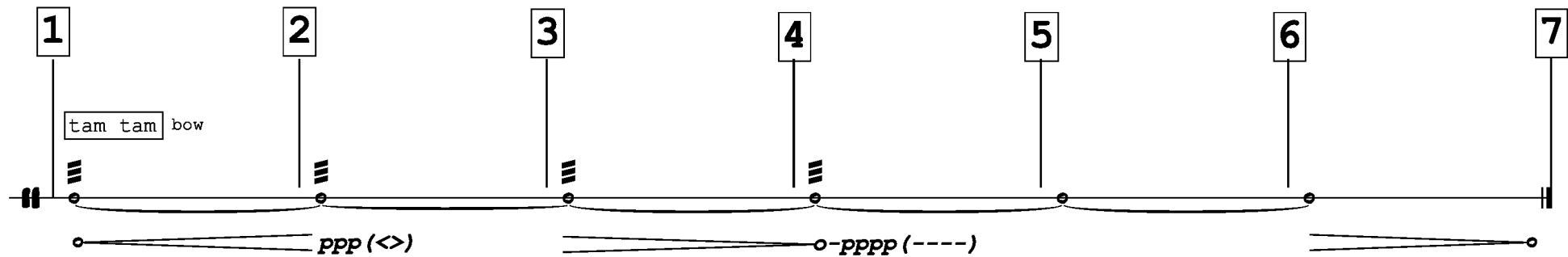
James Saunders



geometria situs

percussion (6)

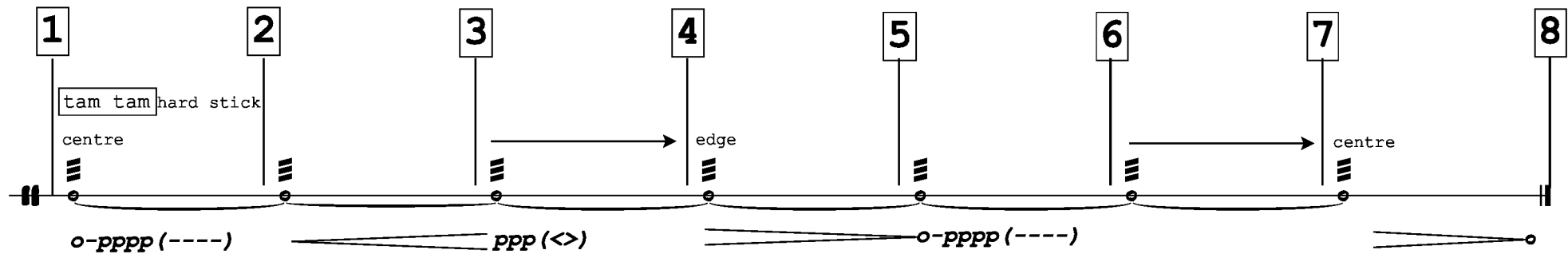
James Saunders



geometria situs

percussion (7)

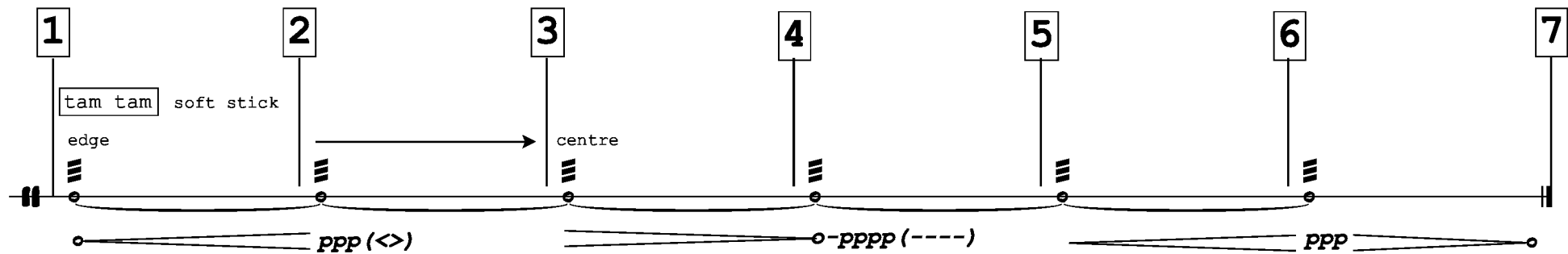
James Saunders



geometria situs

percussion (8)

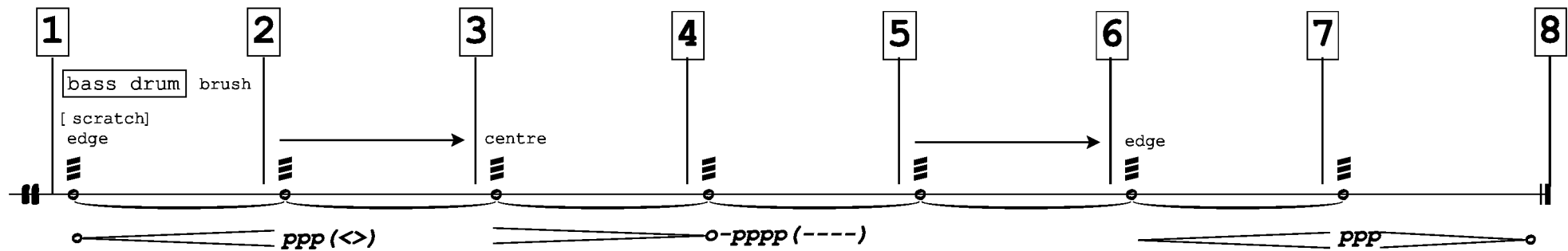
James Saunders



geometria situs

percussion (9)

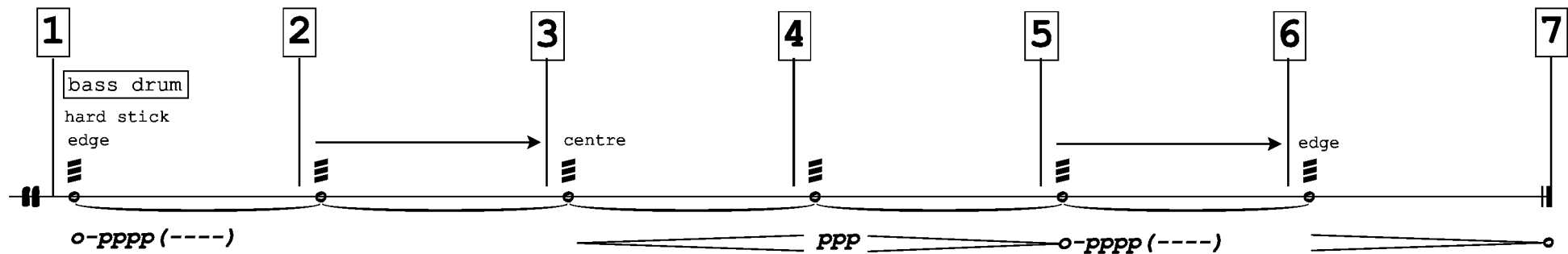
James Saunders



geometria situs

percussion (10)

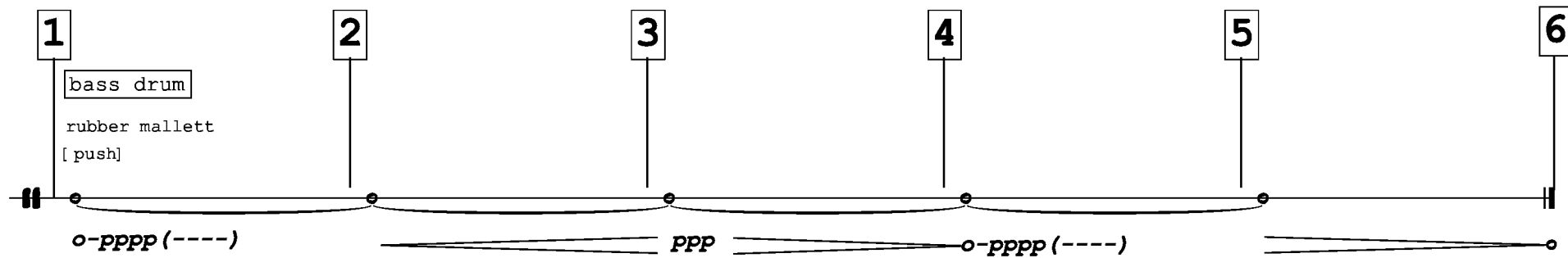
James Saunders



geometria situs

percussion (11)

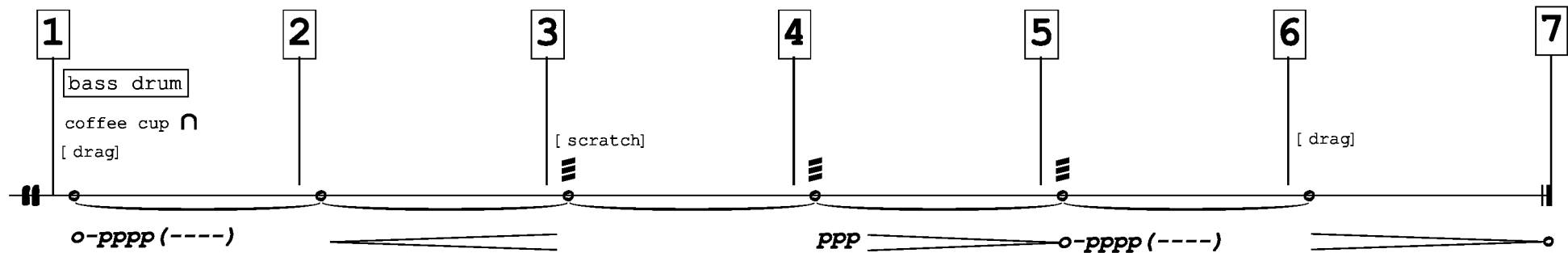
James Saunders



geometria situs

percussion (12)

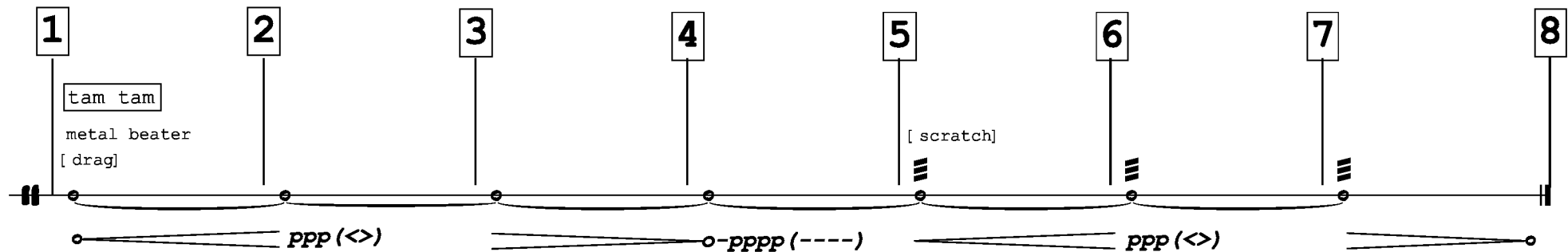
James Saunders



geometria situs

percussion (13)

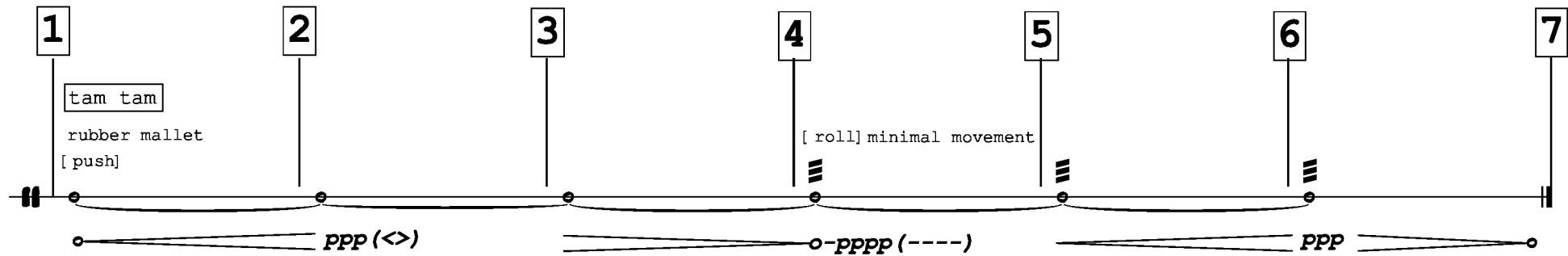
James Saunders



geometria situs

percussion (14)

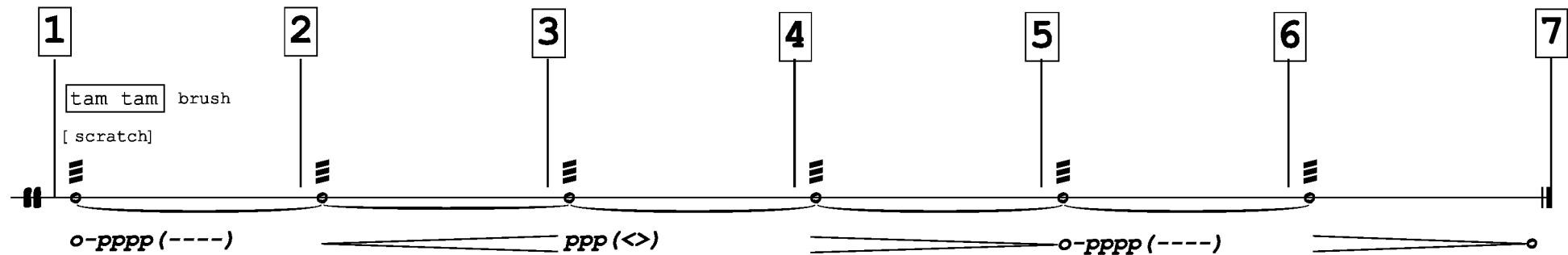
James Saunders



geometria situs

percussion (15)

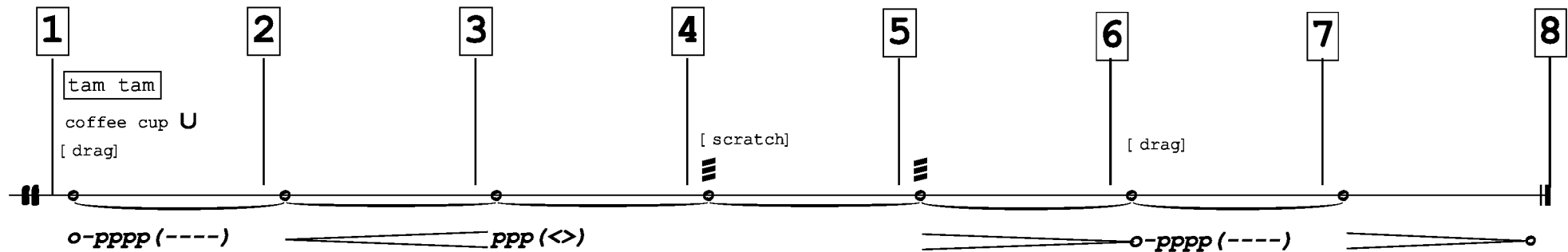
James Saunders



geometria situs

percussion (16)

James Saunders



geometria situs

percussion (17)

James Saunders

1 2 3 4 5 6 7

crotales

bow

o-pppp (-----) ppp o-pppp (-----) ppp

geometria situs

percussion (18)

James Saunders

1 2 3 4 5 6 7

crotales

bow

ppp

pppp (----)

pppp

geometria situs

percussion (19)

James Saunders

1 2 3 4 5 6 7

crotales metal beater

damp

let ring

o-pppp (-----) *ppp* *o-pppp (-----)*

The musical score is written on a single staff with a treble clef and a common time signature. It features seven numbered measures (1-7) with various dynamic markings and performance instructions. Measure 1 starts with a treble clef and a common time signature. Measure 1 has a dynamic marking of *o-pppp (-----)*. Measure 2 has a dynamic marking of *ppp*. Measure 3 has a dynamic marking of *ppp*. Measure 4 has a dynamic marking of *ppp*. Measure 5 has a dynamic marking of *o-pppp (-----)*. Measure 6 has a dynamic marking of *o*. Measure 7 has a dynamic marking of *o*. The score includes performance instructions: 'crotales metal beater' at measure 1, 'damp' at measure 1, and 'let ring' at measure 5. The score is written on a single staff with a treble clef and a common time signature.

geometria situs

percussion (20)

James Saunders

1 2 3 4 5 6 7

crotales
wire brush

damp

pppp (----) ppp pppp (----)

geometria situs

percussion (21)

James Saunders

1 2 3 4 5 6 7

crotales
wire brush

damp

pppp (----) ppp pppp (----)

geometria situs

percussion (22)

James Saunders

1 2 3 4 5 6 7

vibraphone bow

[motor on]

o-pppp (-----) *ppp* *o-pppp (-----)*

The musical score is written on a single staff with a treble clef. It consists of seven measures, each marked with a number in a box (1 through 7). Above the staff, the word "vibraphone" is written in a box, followed by "bow". Above measure 4, the text "[motor on]" is written. The score features a series of horizontal lines with a small circle at the beginning of each line, representing a sustained note. The first line is marked with *o-pppp (-----)*. The second line is marked with *ppp*. The third line is marked with *o-pppp (-----)*. The fourth line is marked with *ppp*. The fifth line is marked with *o-pppp (-----)*. The sixth line is marked with *ppp*. The seventh line is marked with *o-pppp (-----)*. The lines are connected by a series of horizontal lines, creating a continuous, flowing effect.

geometria situs

percussion (23)

James Saunders

1 2 3 4 5 6 7

vibraphone
soft stick
[motor on]

[motor off]

ppp

Ped.

pppp (----)

Detailed description: The image shows a musical score for a vibraphone. It consists of a single staff in 6/8 time, indicated by a treble clef and a '6' over an '8'. The score contains seven eighth notes, each marked with a number in a box (1 through 7). Above the staff, there are performance instructions: 'vibraphone' and 'soft stick [motor on]' are placed above the first note; '[motor off]' is placed above the fourth note. Below the staff, there are dynamic markings and a pedal instruction: '*ppp*' is below the first note, '*Ped.*' is below the first three notes, and '*pppp (----)*' is below the sixth note. The notes are connected by a series of curved lines, suggesting a melodic or harmonic progression. The staff ends with a double bar line.

percussion (24)

1 2 3 4 5 6 7

vibraphone
medium stick

[motor on]

o-pppp (----)

ppp

Ped.

geometria situs

timpani (1)

James Saunders

1 2 3 4 5 6 7

ppp (<>) *pppp (-----)*

geometria situs

timpani (2)

James Saunders

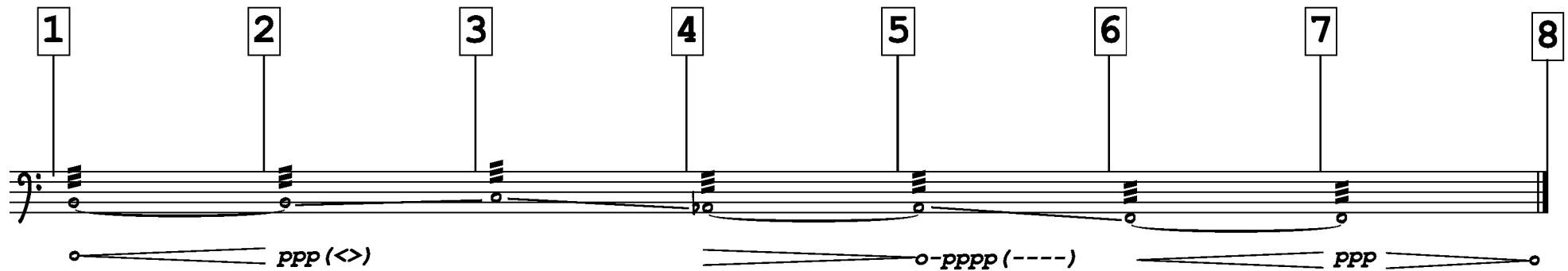
1 2 3 4 5 6 7 8

ppp (< >) *o-pppp (-----)* *ppp (< >)*

geometria situs

timpani (3)

James Saunders



geometria situs

timpani (4)

James Saunders

1 2 3 4 5 6 7

pppp (----) *ppp (<>)*

geometria situs

timpani (5)

James Saunders

1 2 3 4 5 6 7 8

muffle -----

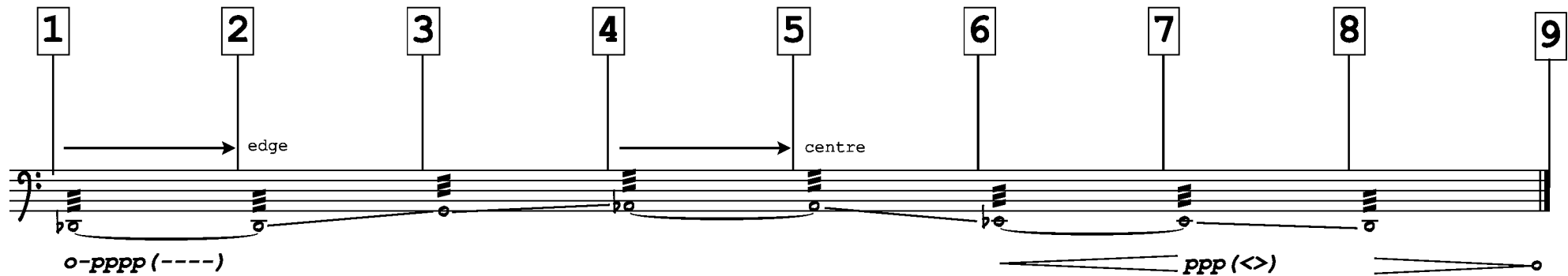
o-pppp (----)

ppp (< >)

geometria situs

timpani (6)

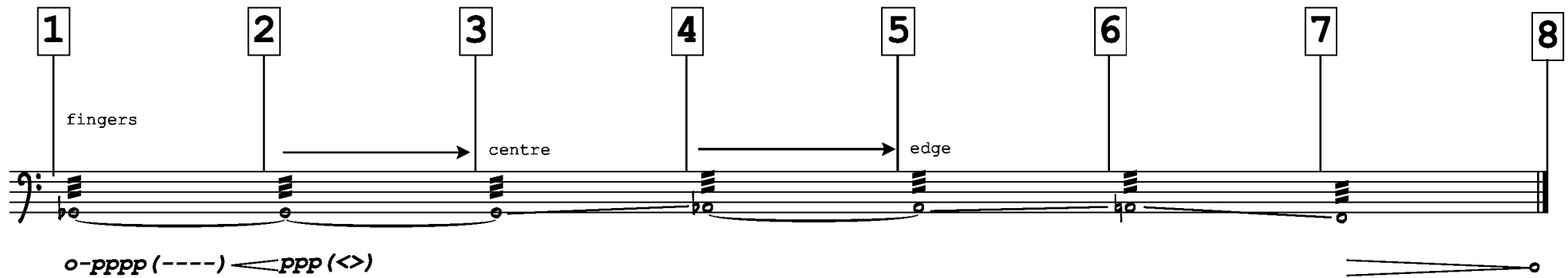
James Saunders



geometria situs

timpani (7)

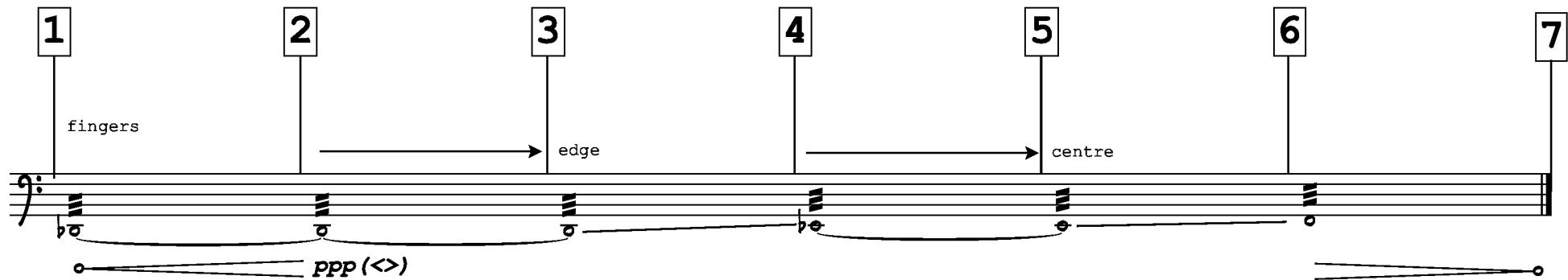
James Saunders



geometria situs

timpani (8)

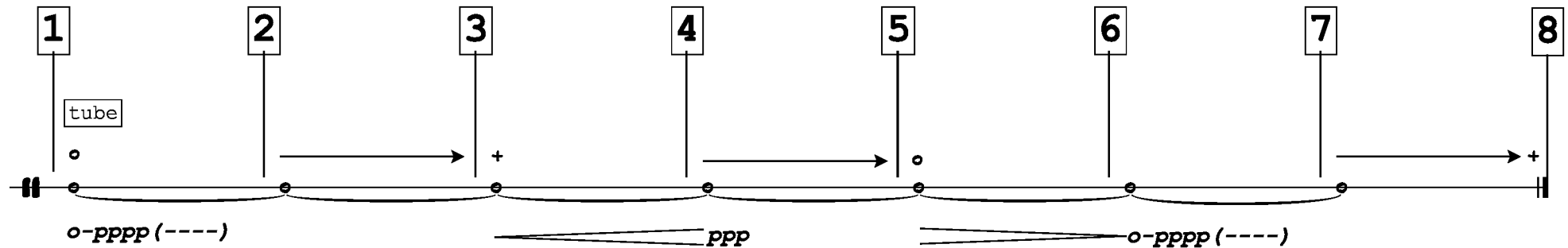
James Saunders



geometria situs

blown tube (1)

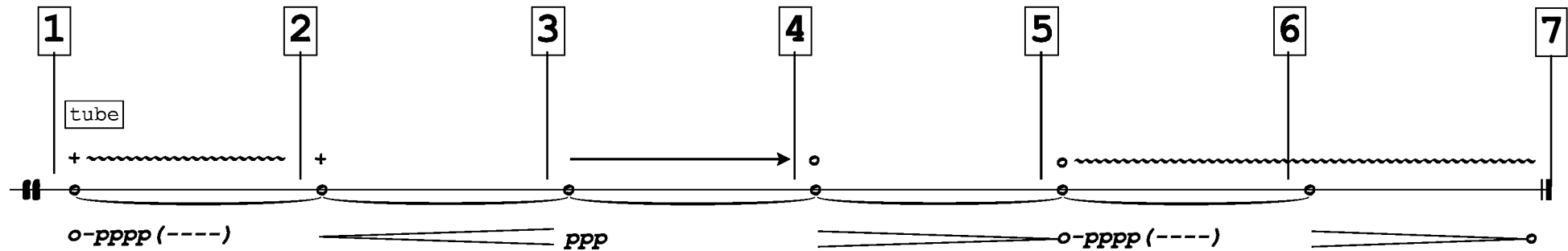
James Saunders



geometria situs

blown tube (2)

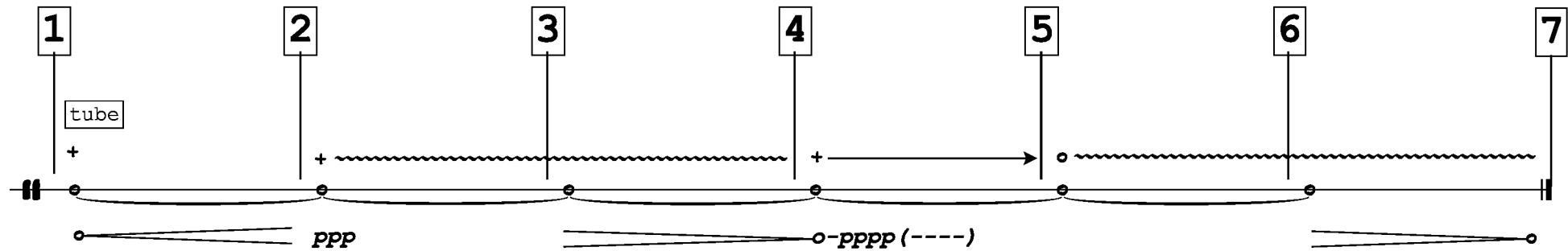
James Saunders



geometria situs

blown tube (3)

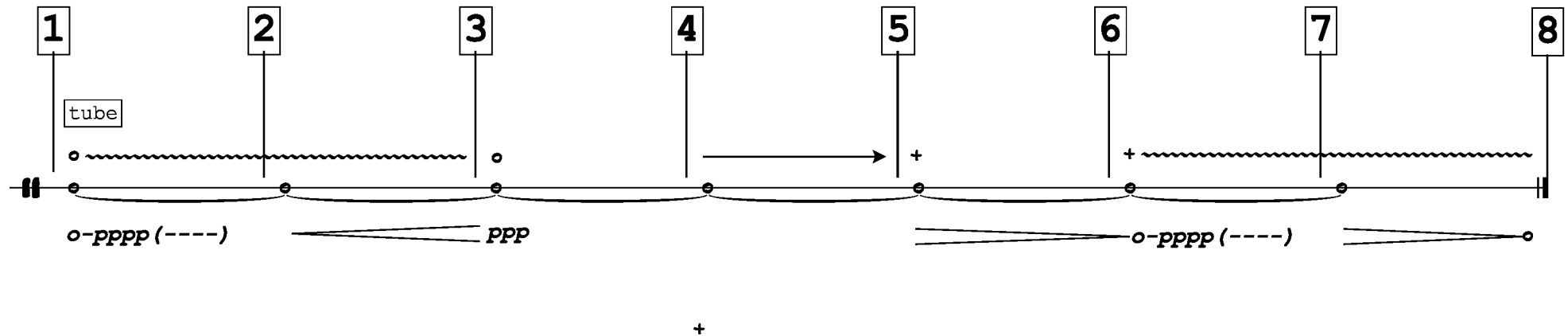
James Saunders



geometria situs

blown tube (4)

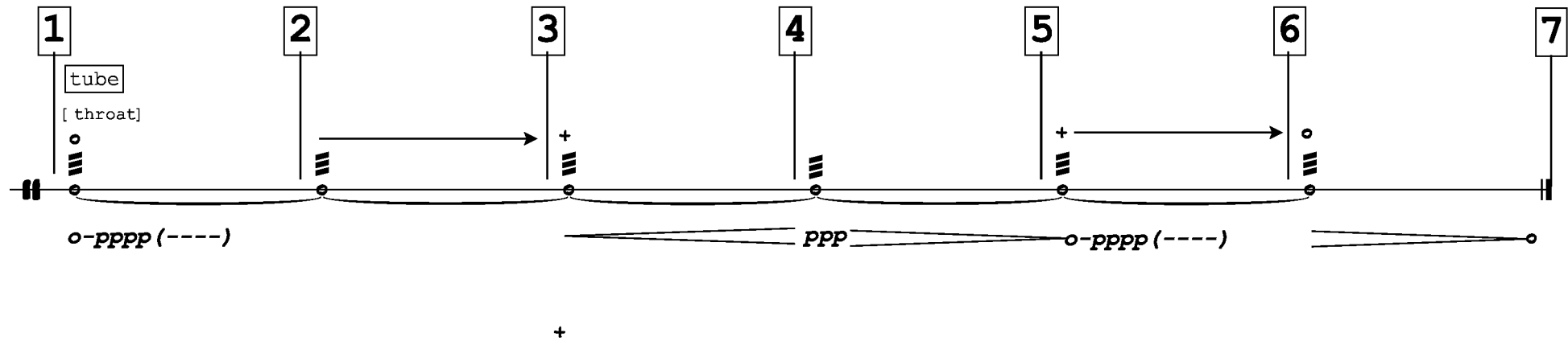
James Saunders



geometria situs

blown tube (5)

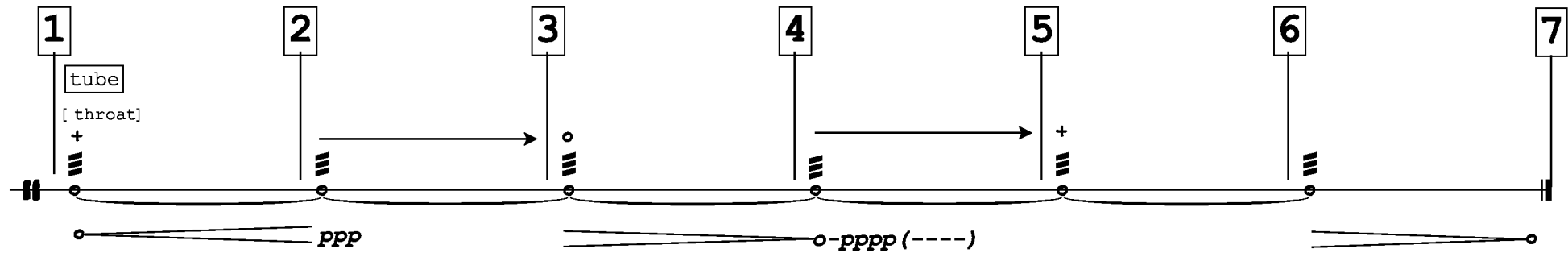
James Saunders



geometria situs

blown tube (6)

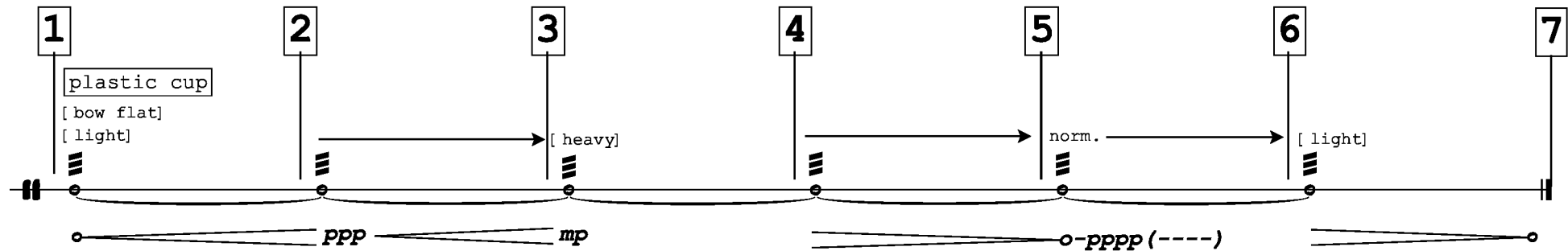
James Saunders



geometria situs

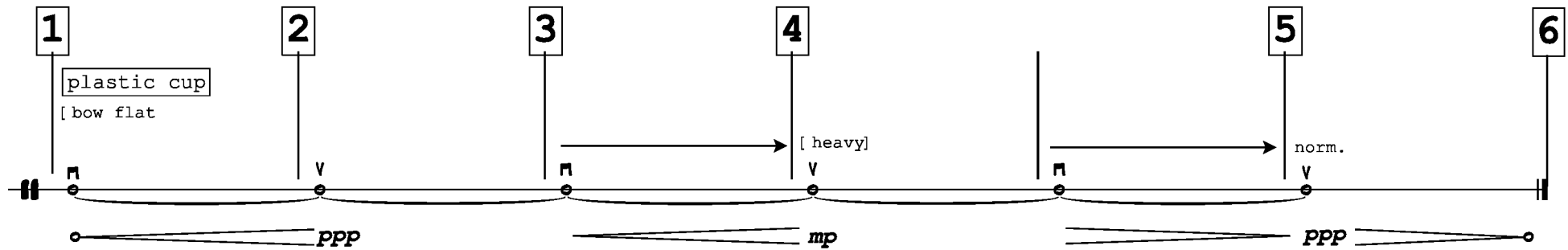
bowed plastic cup (1)

James Saunders



bowed plastic cup (2)

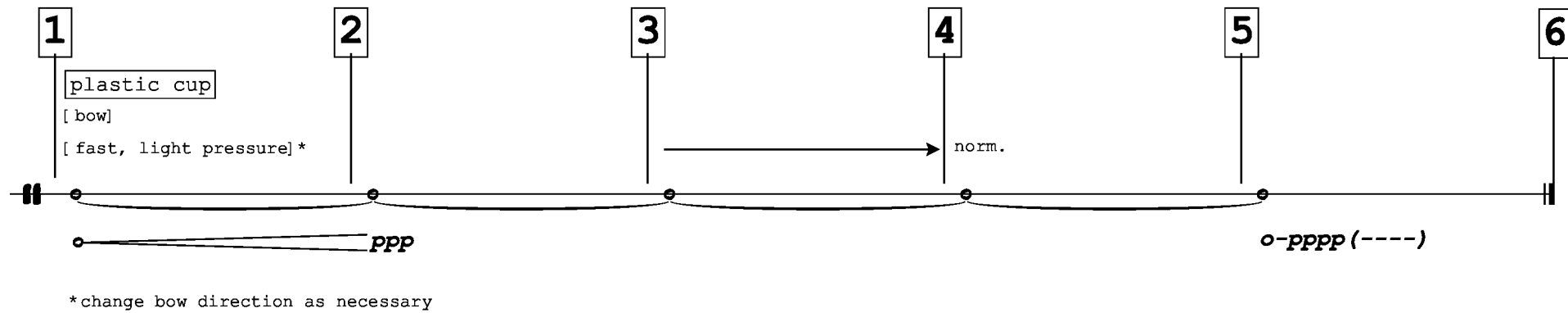
James Saunders



geometria situs

bowed plastic cup (3)

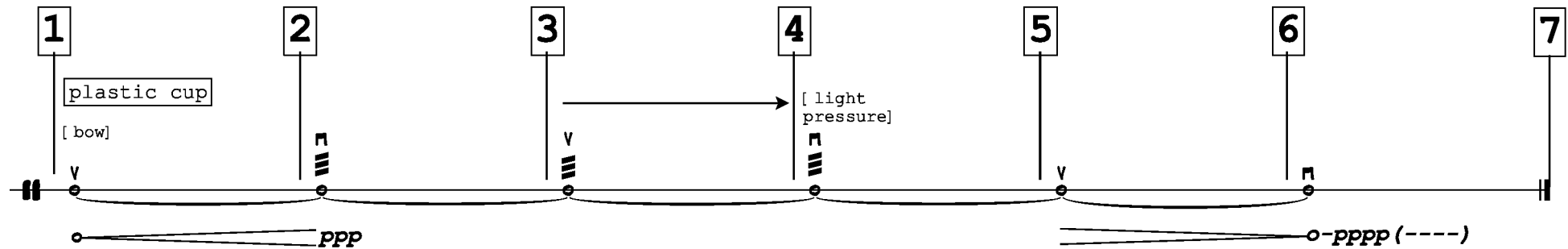
James Saunders



geometria situs

bowed plastic cup (4)

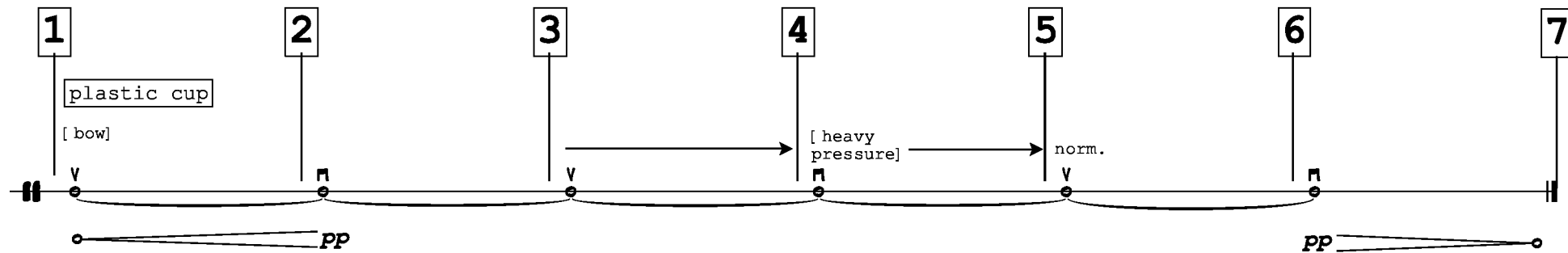
James Saunders



geometria situs

bowed plastic cup (5)

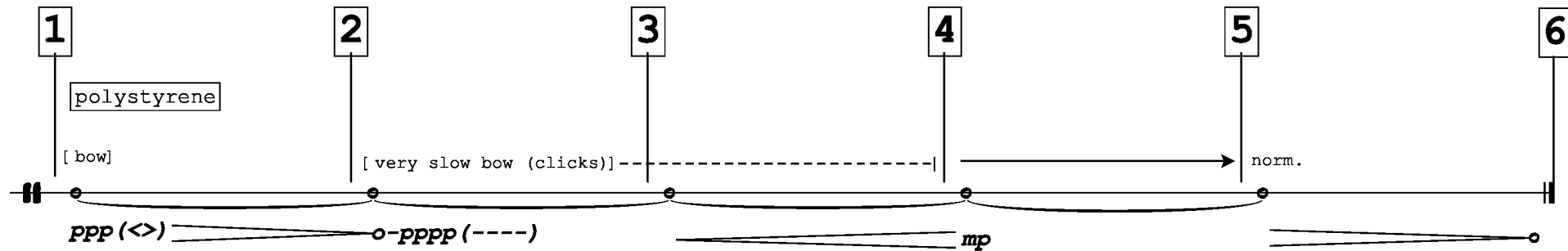
James Saunders



geometria situs

bowed polystyrene (1)

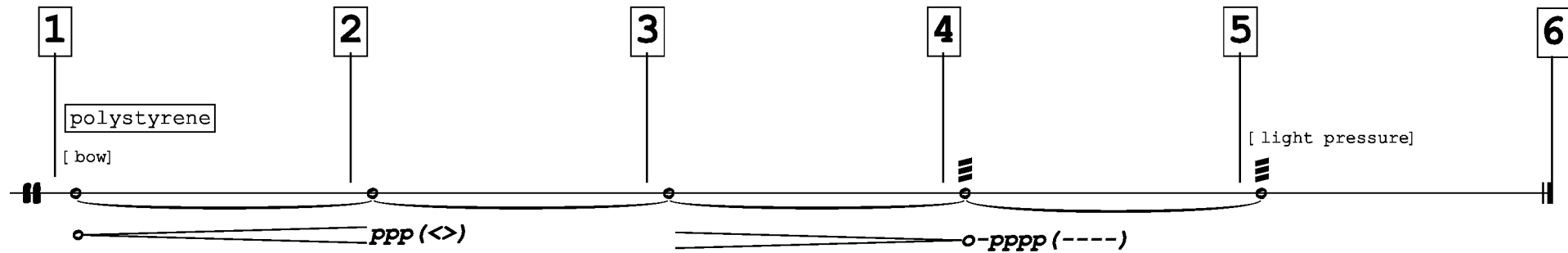
James Saunders



geometria situs

bowed polystyrene (2)

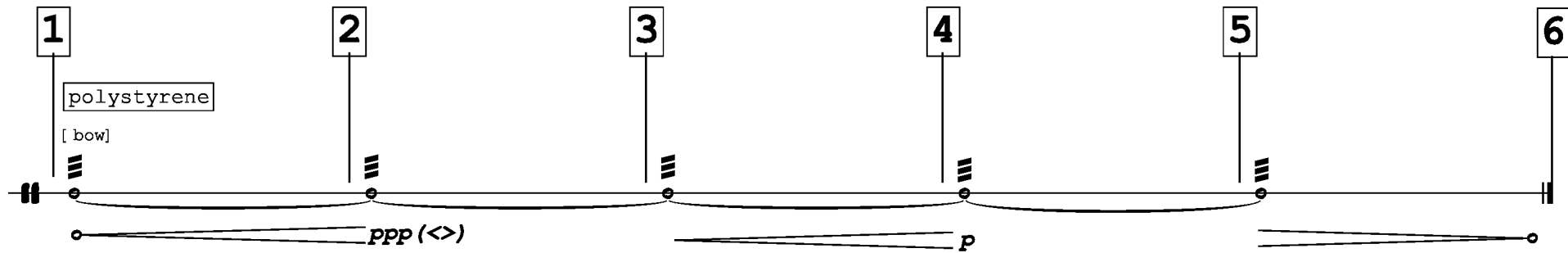
James Saunders



geometria situs

bowed polystyrene (3)

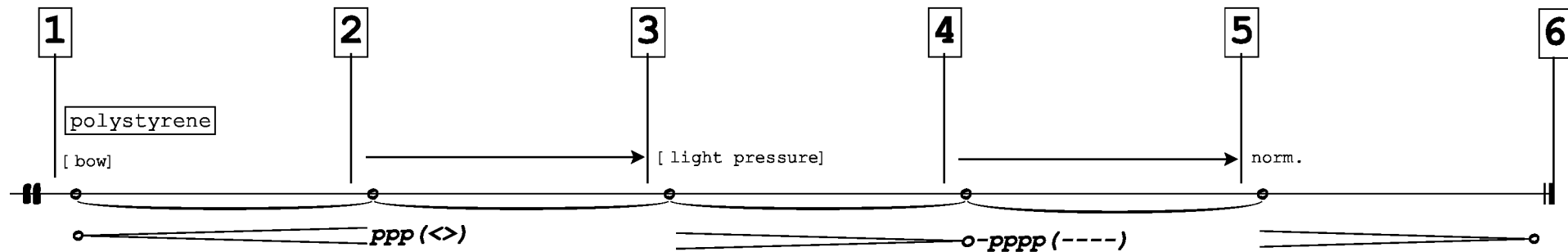
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geometria situs

bowed polystyrene (4)

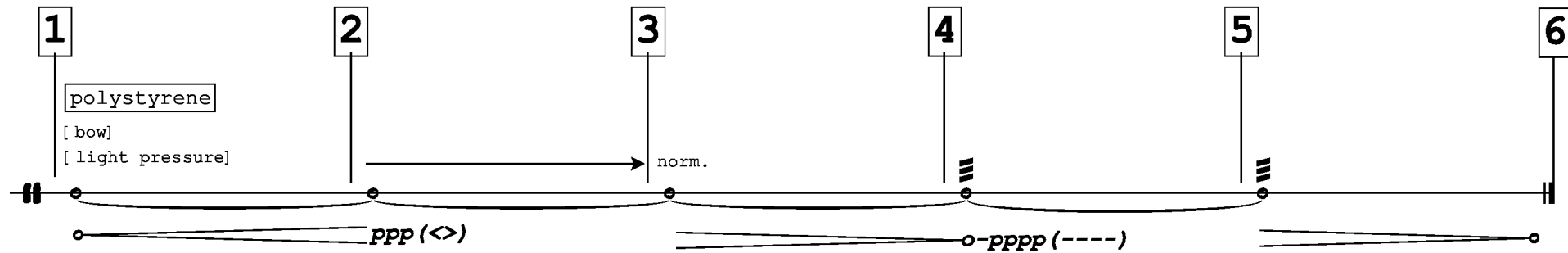
James Saunders



geometria situs

bowed polystyrene (5)

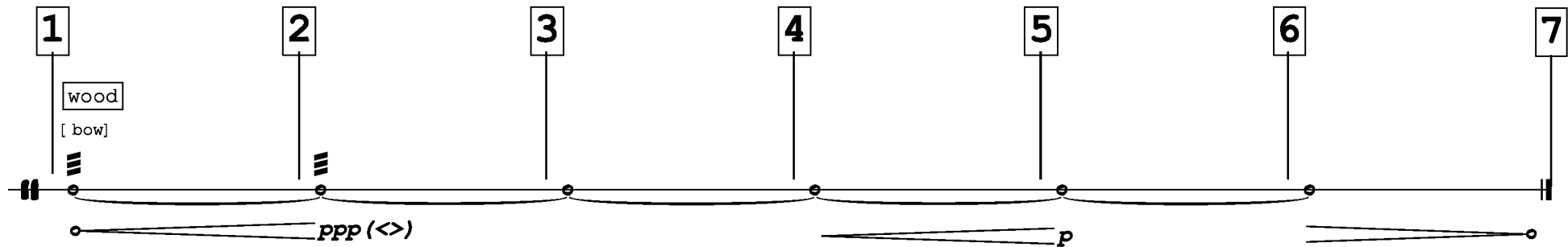
James Saunders



geometria situs

bowed wood (1)

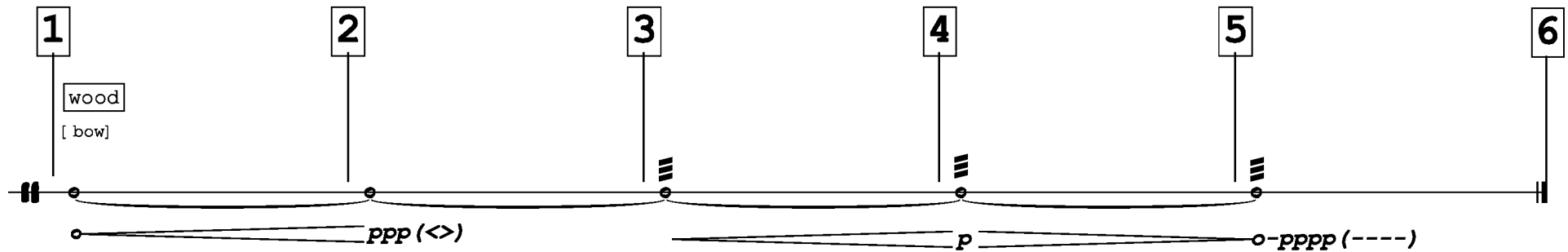
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geometria situs

bowed wood (2)

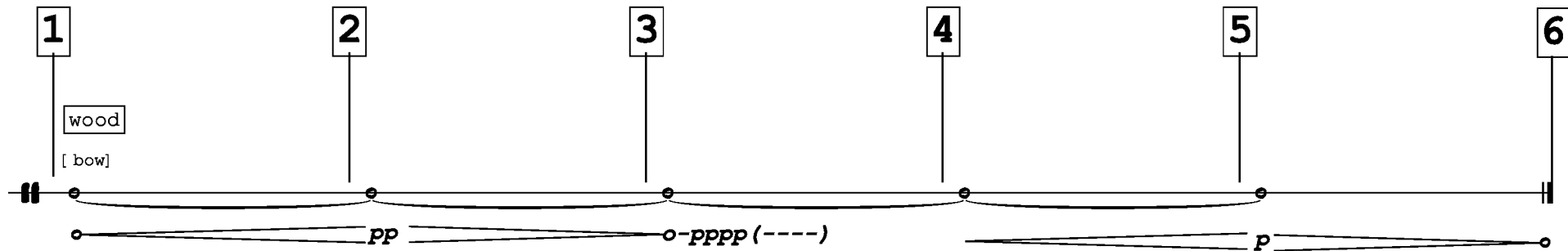
James Saunders



geometria situs

bowed wood (3)

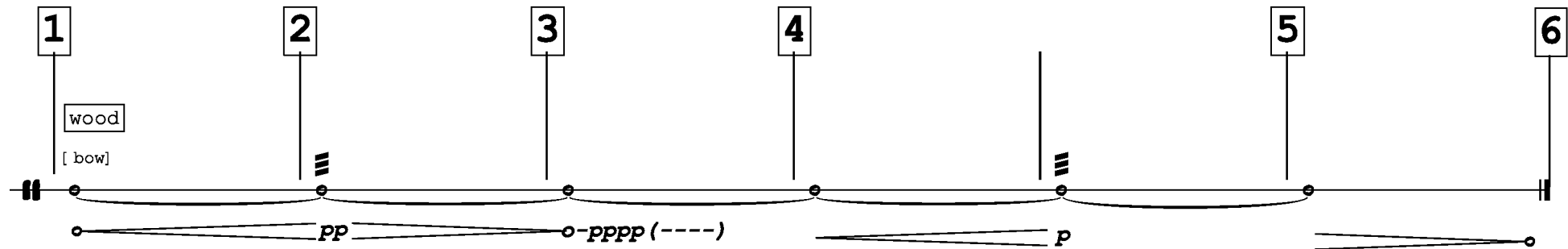
James Saunders



geometria situs

bowed wood (4)

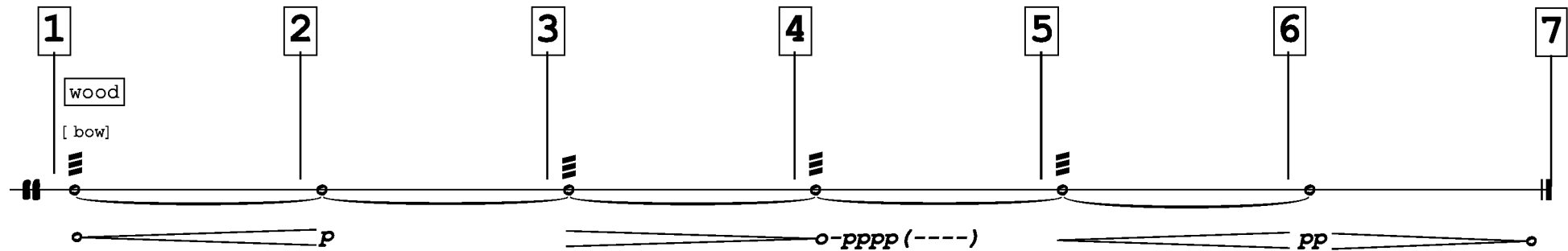
James Saunders



geometria situs

bowed wood (5)

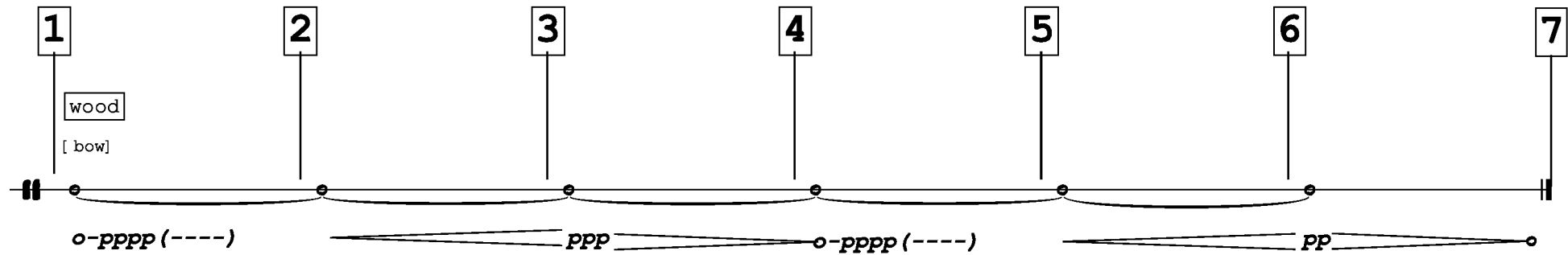
James Saunders



geometria situs

bowed wood (6)

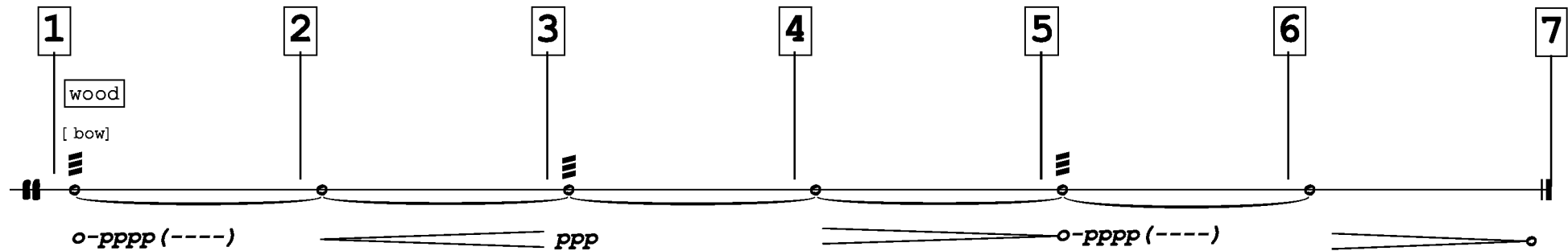
James Saunders



geometria situs

bowed wood (7)

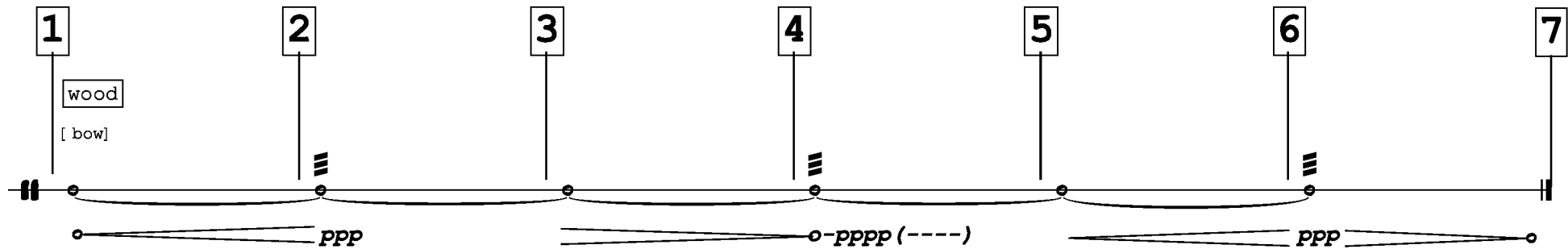
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geometria situs

bowed wood (8)

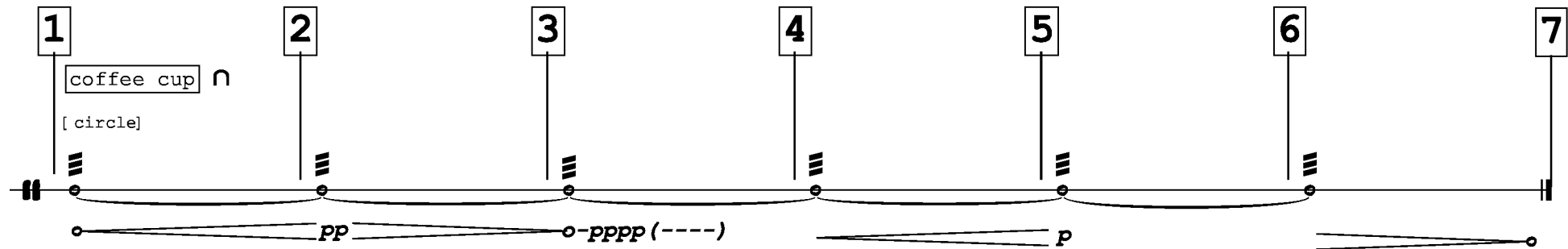
James Saunders



geometria situs

coffee cup on surface (1)

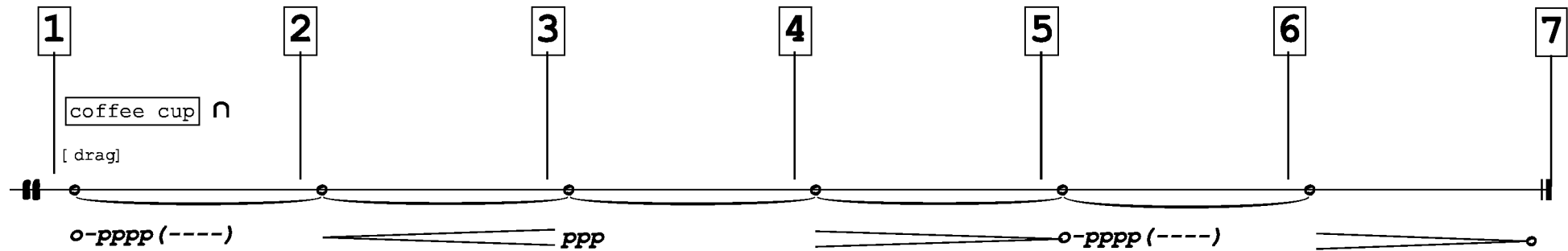
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geometria situs

coffee cup on surface (2)

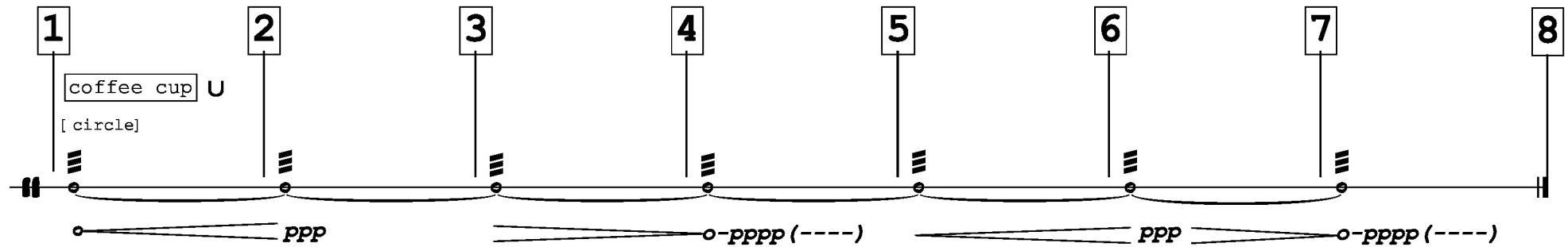
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geometria situs

coffee cup on surface (3)

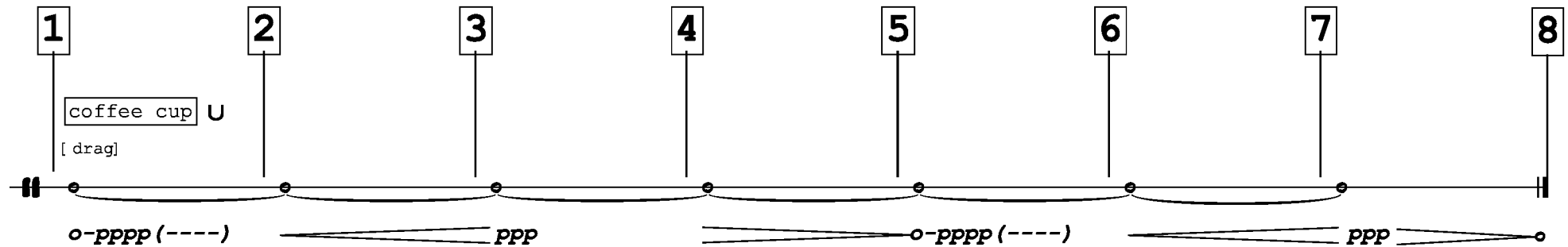
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geometria situs

coffee cup on surface (4)

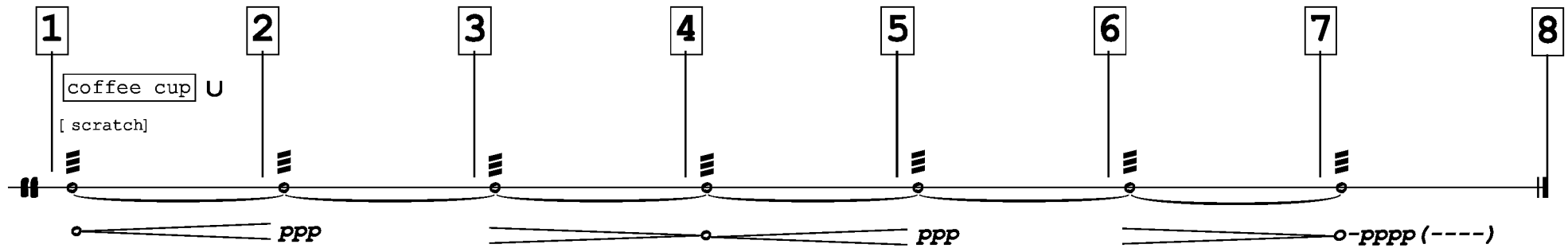
James Saunders



geometria situs

coffee cup on surface (5)

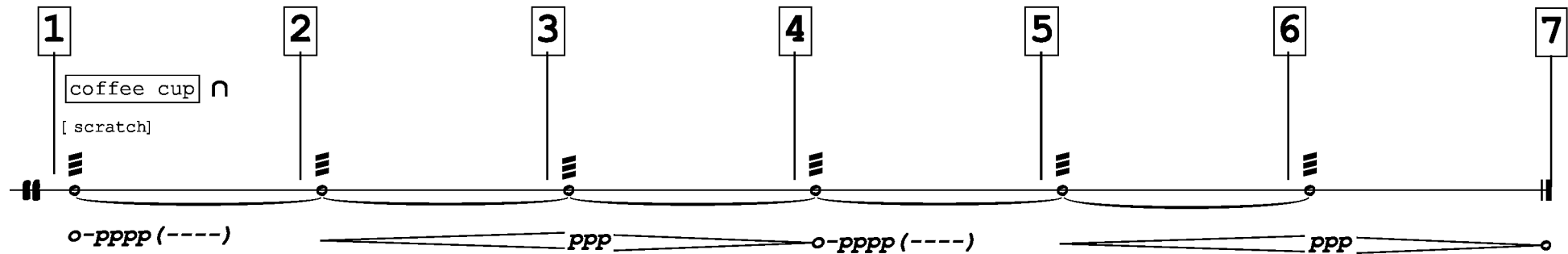
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geometria situs

coffee cup on surface (6)

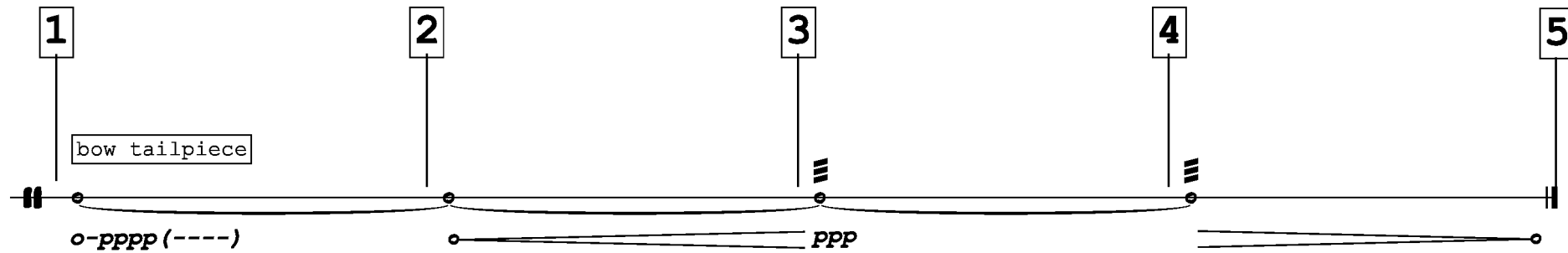
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geometria situs

violin (1)

James Saunders



geometria situs

violin (2)

James Saunders

1 2 3 4 5 6 7

I.

ppp

ppp *pppp* (-----)

geometria situs

violin (3)

James Saunders

The musical score is written on a single staff with a treble clef and a key signature of one flat (B-flat). The score is divided into six numbered measures, each marked with a box containing a number (1 through 6) above the staff. The notation includes slurs, dynamics, and a repeat sign.

Measure 1: Starts with a double bar line and a second ending bracket (II.). The first staff has a half note on G4, and the second staff has a half note on F4. A slur connects the two notes. The dynamic *ppp* is written below the second staff.

Measure 2: Continues the slur from Measure 1. The first staff has a half note on A4, and the second staff has a half note on G4. The dynamic *ppp* is written below the second staff.

Measure 3: Continues the slur from Measure 2. The first staff has a half note on B4, and the second staff has a half note on A4. The dynamic *ppp* is written below the second staff.

Measure 4: Continues the slur from Measure 3. The first staff has a half note on C5, and the second staff has a half note on B4. The dynamic *ppp* is written below the second staff.

Measure 5: Continues the slur from Measure 4. The first staff has a half note on D5, and the second staff has a half note on C5. The dynamic *ppp* is written below the second staff.

Measure 6: Continues the slur from Measure 5. The first staff has a half note on E5, and the second staff has a half note on D5. The dynamic *ppp* is written below the second staff. The measure ends with a repeat sign (three vertical lines).

geometria situs

violin (4)

James Saunders

III.

II.

ppp

pppp (-----)

geometria situs

violin (5)

James Saunders

0 1 2 3 4 5

IV. pont. pont. pont. pont.

o-pppp (-) ppp ppp

violin (6)

James Saunders

III.
IV.

1 2 3 4 5 6 7

[minimal movement]

ponte.

o-pppp (----) *ppp*

geometria situs

violin (7)

James Saunders

The musical score is written on a single staff with a treble clef and a key signature of one sharp (F#). It features five numbered measures (1-5) with various musical notations including slurs, ties, and dynamic markings.

Measure 1: Starts with a treble clef and a key signature of one sharp (F#). The notation includes a slur over the first two notes, followed by a tie to the next measure. The dynamic marking is *pppp* (----).

Measure 2: Continues the tie from Measure 1. The notation includes a slur over the first two notes, followed by a tie to the next measure. The dynamic marking is *ppp* (< >).

Measure 3: Continues the tie from Measure 2. The notation includes a slur over the first two notes, followed by a tie to the next measure. The dynamic marking is *ppp* (< >).

Measure 4: Continues the tie from Measure 3. The notation includes a slur over the first two notes, followed by a tie to the next measure. The dynamic marking is *ppp* (< >).

Measure 5: Continues the tie from Measure 4. The notation includes a slur over the first two notes, followed by a tie to the next measure. The dynamic marking is *ppp* (< >).

geometria situs

violin (8)

James Saunders

The musical score is written on a single staff with a treble clef and a key signature of one flat (B-flat). It features six numbered measures (1-6) with various musical notations including dynamics, articulation, and performance instructions.

Measure 1: Starts with a treble clef and a key signature of one flat. The notation includes a half note with a diamond-shaped articulation mark, followed by a half note with a diamond-shaped articulation mark. The dynamic is *pppp* (-----). A performance instruction *ppp (<>)* is written below the staff, with a line pointing to the first half note.

Measure 2: Contains a half note with a diamond-shaped articulation mark, followed by a half note with a diamond-shaped articulation mark. The dynamic is *ppp* (<>).

Measure 3: Contains a half note with a diamond-shaped articulation mark, followed by a half note with a diamond-shaped articulation mark. The dynamic is *ppp* (<>).

Measure 4: Contains a half note with a diamond-shaped articulation mark, followed by a half note with a diamond-shaped articulation mark. The dynamic is *ppp* (<>).

Measure 5: Contains a half note with a diamond-shaped articulation mark, followed by a half note with a diamond-shaped articulation mark. The dynamic is *pppp* (-----). A performance instruction *ppp (<>)* is written below the staff, with a line pointing to the first half note.

Measure 6: Contains a half note with a diamond-shaped articulation mark, followed by a half note with a diamond-shaped articulation mark. The dynamic is *pppp* (-----).

geometria situs

violin (9)

James Saunders

III.

IV.

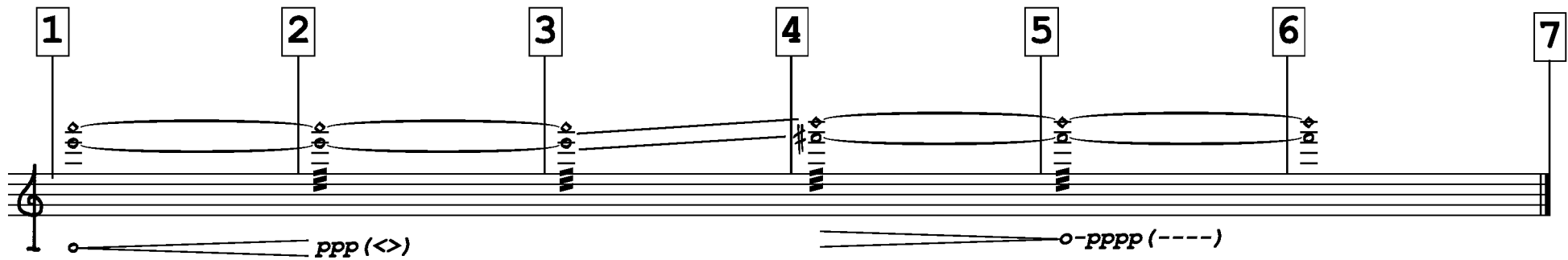
1 2 3 4 5 6 7 8

ppp (<>)

geometria situs

violin (10)

James Saunders



geometria situs

violin (11)

James Saunders

The musical score is written on a single staff with a treble clef and a key signature of one sharp (F#). It features seven numbered measures (1-7) with various musical notations including notes, rests, and dynamic markings.

Measure 1: **1** *o-pppp (-----)*

Measure 2: **2**

Measure 3: **3** *ppp (< >)*

Measure 4: **4**

Measure 5: **5**

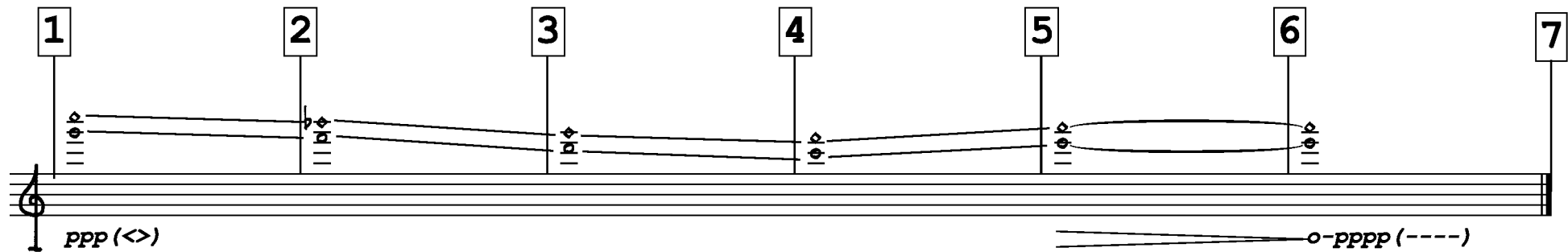
Measure 6: **6** *o-pppp (-----)*

Measure 7: **7**

geometria situs

violin (12)

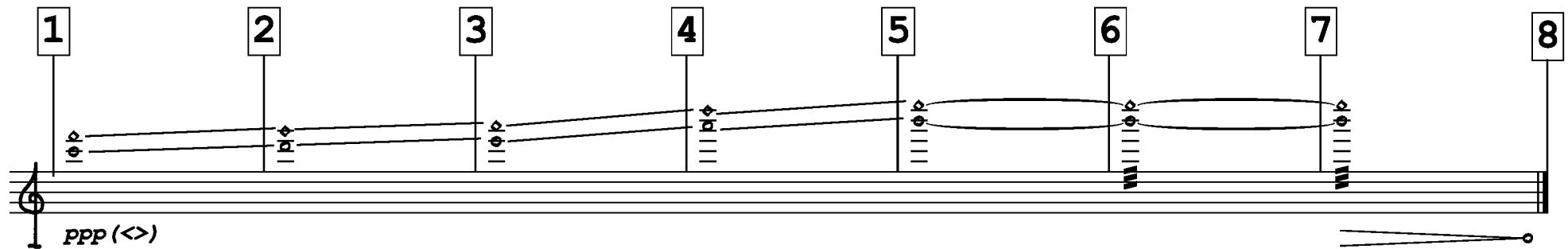
James Saunders



geometria situs

violin (13)

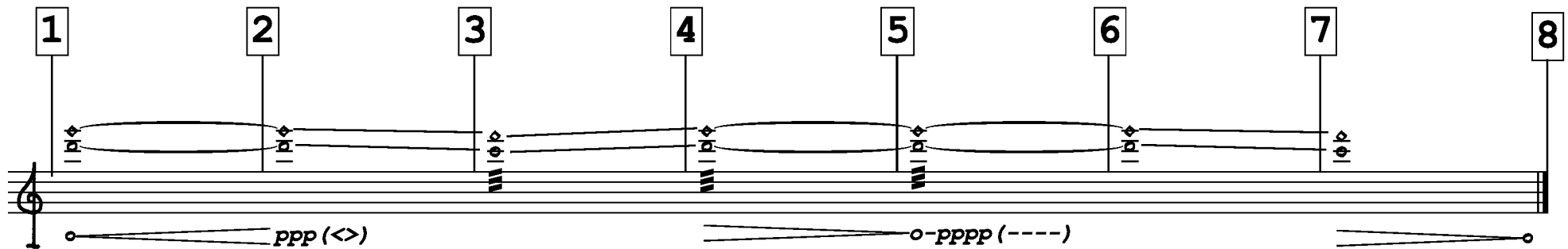
James Saunders



geometria situs

violin (14)

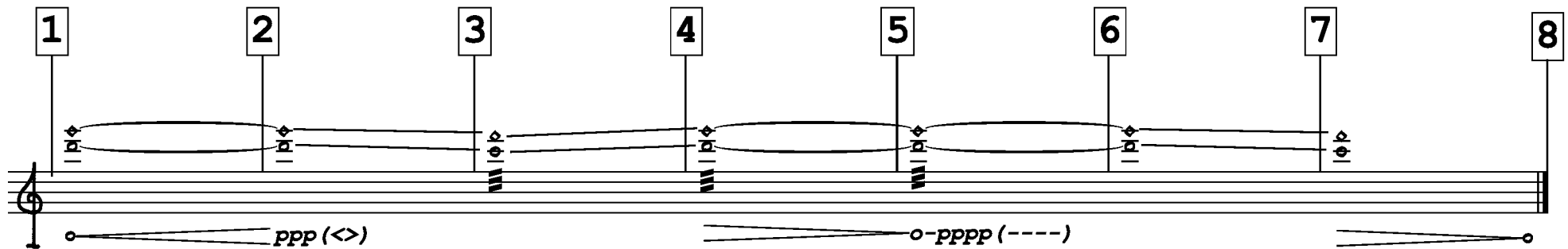
James Saunders



geometria situs

violin (15)

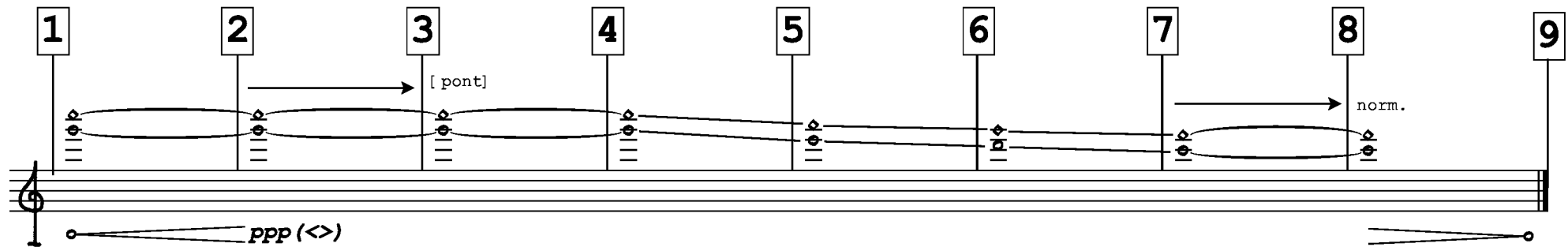
James Saunders



geometria situs

violin (16)

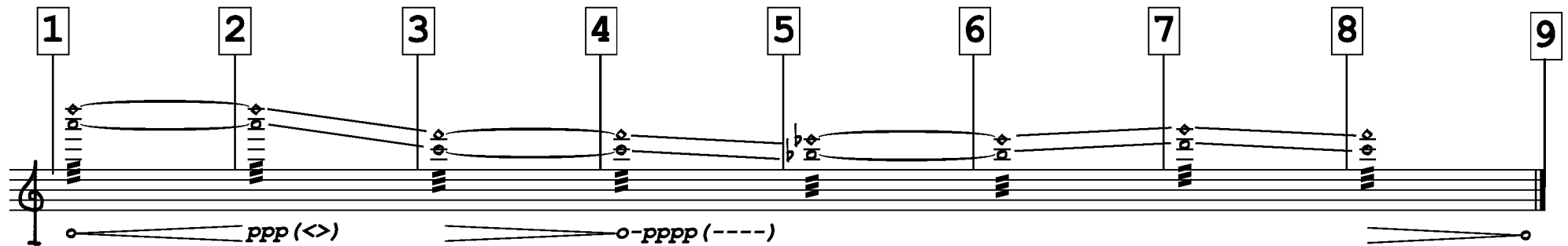
James Saunders



geometria situs

violin (17)

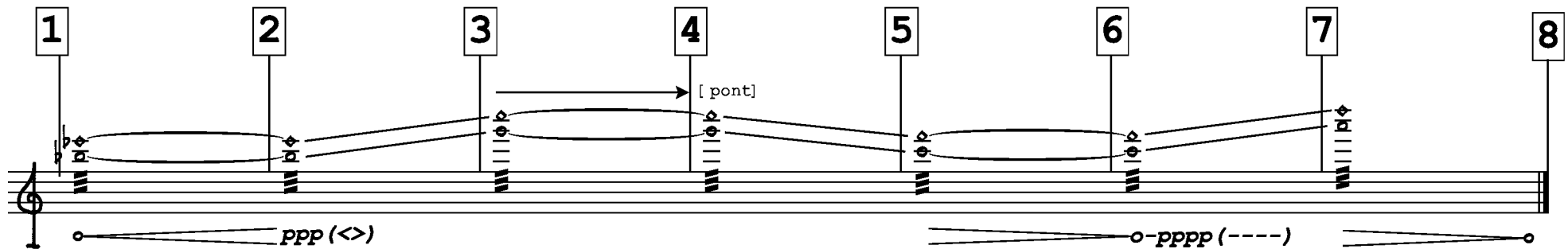
James Saunders



geometria situs

violin (18)

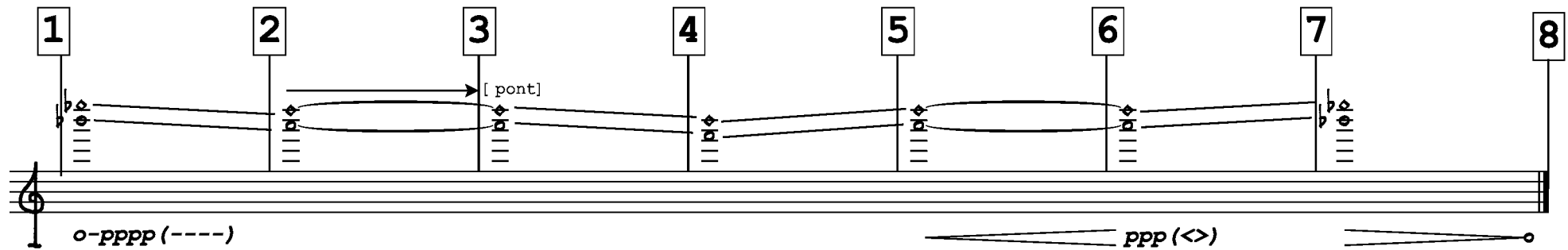
James Saunders



geometria situs

violin (19)

James Saunders



geometria situs

violin (20)

James Saunders

The musical score is written on a single staff with a treble clef and a key signature of one flat (B-flat). The score consists of six measures, each marked with a number in a box above the staff:

- Measure 1:** Starts with a whole note on the first line (F4). Below the staff, the instruction *o-pppp (----)* is written.
- Measure 2:** Continues the whole note from Measure 1. Above the staff, an arrow points from Measure 1 to Measure 2 with the instruction *pont.*
- Measure 3:** Continues the whole note from Measure 1. Below the staff, a wedge-shaped dynamic marking indicates a crescendo from *pppp* to *ppp*.
- Measure 4:** Continues the whole note from Measure 1. Above the staff, an arrow points from Measure 3 to Measure 4 with the instruction *norm.*
- Measure 5:** Continues the whole note from Measure 1. Below the staff, a wedge-shaped dynamic marking indicates a decrescendo from *ppp* to *pppp*.
- Measure 6:** Continues the whole note from Measure 1. Above the staff, an arrow points from Measure 5 to Measure 6 with the instruction *norm.*

The score ends with a double bar line at the end of Measure 6.

geometria situs

violin (21)

James Saunders

1 2 3 4 5 6 7

mute

ppp

geometria situs

violin (22)

James Saunders

1

2

3

4

5

6

7

mute

o-pppp (----)

#

b

geometria situs

violin (23)

James Saunders

1

2

3

4

5

6

7

mute
pont.

o-pppp (-----)

geometria situs

violin (24)

James Saunders

1

2

3

4

5

6

7

mute

o-pppp (----)

ppp (<>)

geometria situs

violin (25)

James Saunders

1

2

3

4

5

6

7

mute

o-pppp (-----)

ppp (< >)

o-pppp (-----)

geometria situs

violin (26)

James Saunders

1 2 3 4 5 6

pont.

o-pppp (-----) ppp (< >) o-pppp (-----)

geometria situs

violin (27)

James Saunders

1

2

3

4

5

6

mute

ppp (<>)

geometria situs

violin (28)

James Saunders

1

2

3

4

5

6

7

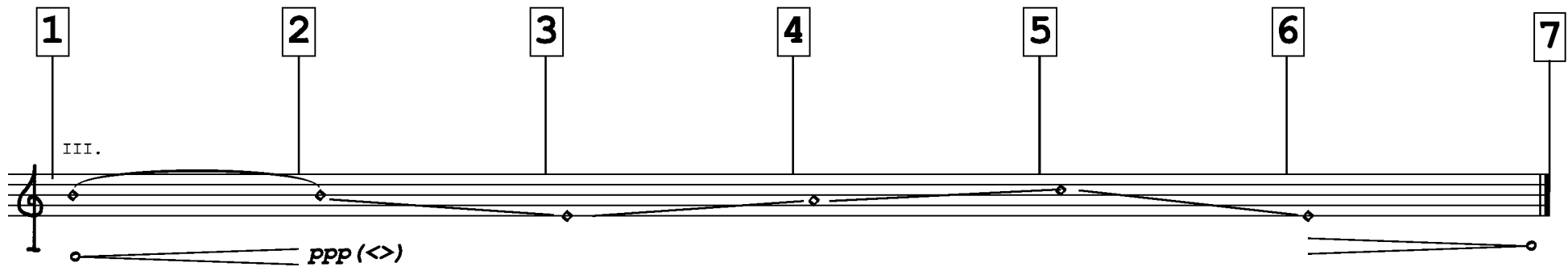
mute

o-pppp (----)

geometria situs

violin (29)

James Saunders



geometria situs

violin (30)

James Saunders

1

2

3

4

5

6

7

mute

ppp (<>)

pppp (-----)

pppp (-----)

geometria situs

violin (31)

James Saunders

1 2 3 4 5 6 7

o-pppp (----)

geometria situs

violin (32)

James Saunders

1

2

3

4

5

6

7

mute

pont

o-*pppp* (-----)

ppp (< >)

The musical score is written on a single staff with a treble clef and a key signature of one flat. It consists of seven measures, each marked with a number in a box above the staff. Measure 1 begins with a treble clef, a key signature of one flat, and a rest marked 'o-pppp (-----)' with a 'mute' instruction in a box. Measures 2 through 7 contain rests, each marked with a diamond symbol. A slur connects the rests in measures 2 through 6, with a 'ppp (< >)' dynamic marking below it. An arrow points from measure 4 to measure 5, with the word 'pont' written below the arrow. Measure 7 ends with a double bar line.

geometria situs

violin (33)

James Saunders

1 2 3 4 5 6 7

mute

o-pppp (-----) *ppp (<>)* *o-pppp (-----)*

The musical score is written on a single staff with a treble clef and a key signature of one sharp (F#). The score is divided into seven numbered measures (1-7). Measure 1 begins with a 'mute' instruction. The dynamics are marked as *o-pppp (-----)* for measures 1-3, *ppp (<>)* for measures 4-5, and *o-pppp (-----)* for measures 6-7. The notation includes various note values, rests, and performance markings such as slurs and accents.

geometria situs

violin (34)

James Saunders

1

2

3

4

5

6

7

mute

III.

o-pppp (- - - -)

geometria situs

violin (35)

James Saunders

III.

1 2 3 4 5 6 7

o-pppp (- - - -)

ppp (< >)

ppp

geometria situs

violin (36)

James Saunders

The musical score is written on a single staff with a treble clef and a key signature of one flat (B-flat). The score is divided into seven numbered measures (1-7) by vertical lines. A dashed line labeled "[damp]" spans the first six measures. The notes are as follows:

- Measure 1: Quarter note G4, quarter note F4, quarter note E4, quarter note D4.
- Measure 2: Quarter note C4, quarter note B3, quarter note A3, quarter note G3.
- Measure 3: Quarter note F3, quarter note E3, quarter note D3, quarter note C3.
- Measure 4: Quarter note B2, quarter note A2, quarter note G2, quarter note F2.
- Measure 5: Quarter note E2, quarter note D2, quarter note C2, quarter note B1.
- Measure 6: Quarter note A1, quarter note G1, quarter note F1, quarter note E1.
- Measure 7: Quarter note D1, quarter note C1, quarter note B0, quarter note A0.

Dynamic markings and phrasing are indicated below the staff:

- Measure 1: *ppp (< >)*
- Measure 2: *pppp (----)*
- Measure 3: *ppp (< >)*

geometria situs

violin (37)

James Saunders

1 2 3 4 5 6 7

[damp] -----

----- pont. ----- tasto. -----

o-pppp (----) ppp (<>)

geometria situs

violin (38)

James Saunders

The musical score is written on a single staff with a treble clef and a key signature of one flat (B-flat). It features seven numbered measures (1-7) with various musical notations and performance instructions.

Measure 1: Starts with a [damp] instruction. The note is marked *o-pppp (----)*.

Measure 2: The note is marked *ppp (<>)*.

Measure 3: The note is marked *ppp (<>)*.

Measure 4: The note is marked *ppp (<>)*.

Measure 5: The note is marked *ppp (<>)*.

Measure 6: The note is marked *ppp (<>)*.

Measure 7: The note is marked *ppp (<>)*.

Performance instructions include:

- [damp] (Measure 1)
- tasto. (Measure 4)
- pont. (Measure 5)

The score includes a series of horizontal lines connecting the notes across measures, indicating a continuous melodic line. The notes are marked with various dynamics and articulations, including *pppp*, *ppp*, and *ppp (<>)*.

violin (39)

1 2 3 4 5 6 7

[damp]

pont. tasto. pont.

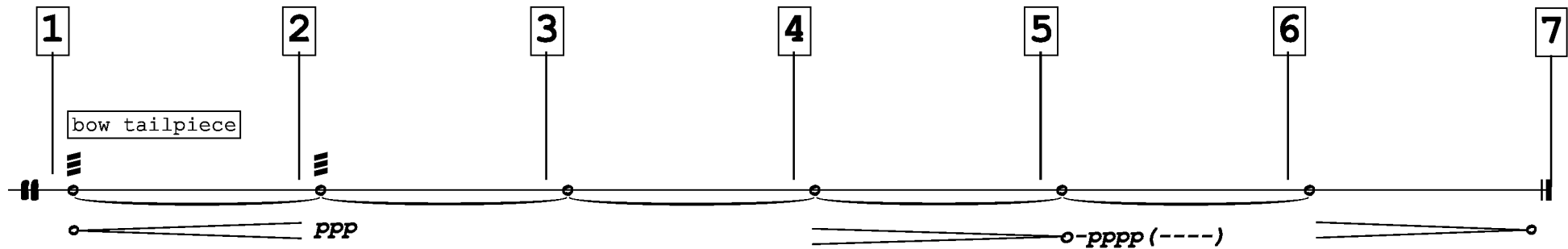
o-pppp (----)

ppp (<>)

geometria situs

violin (40)

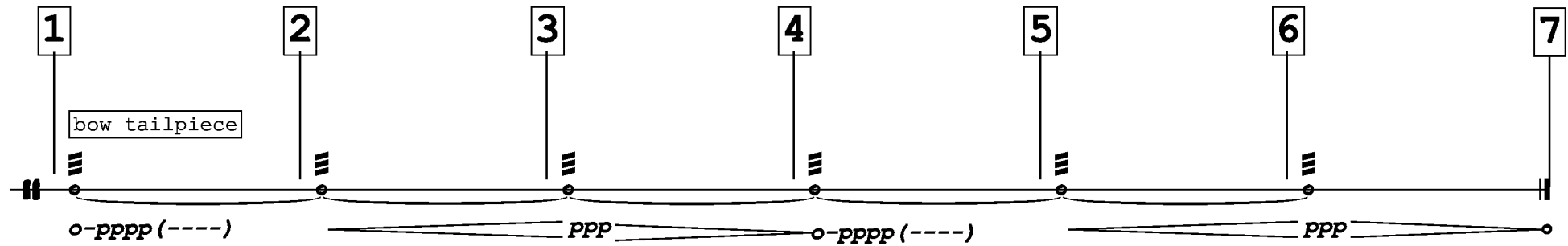
James Saunders



geometria situs

violin (41)

James Saunders



geometria situs

violin (42)

James Saunders

1

2

3

4

5

6

7

wood preparation

o-pppp (-----)

ppp (<>)

ppp (<>)

o-pppp (-----)

ppp

ppp

geometria situs

violin (43)

James Saunders

1

2

3

4

5

6

7

wood preparation

pont.

tasto.

o-pppp (----)

ppp (<>)

The musical score is written on a single staff with a treble clef and a key signature of one flat. It consists of seven measures, each marked with a number in a box above the staff. Measure 1 is marked with a box labeled 'wood preparation'. Measure 4 is marked with a box labeled 'pont.' and an arrow pointing to measure 5, which is marked with a box labeled 'tasto.'. The dynamics are indicated by *o-pppp (----)* at the beginning of measure 1 and *ppp (<>)* at the beginning of measure 3. The score ends with a double bar line at the end of measure 7.

geometria situs

violin (44)

James Saunders

1

2

3

4

5

6

7

wood preparation

ppp (<>)

o-pppp (-----)

ppp (<>)

o-pppp (-----)

geometria situs

violin (45)

James Saunders

wood preparation

1 2 3 4 5 6 7

o-pppp (----) ppp (< >)

pont. tasto. pont.

The musical score is written on a single staff with a treble clef and a key signature of one flat (B-flat). It features seven numbered measures (1-7) with various performance instructions and dynamic markings. Measure 1 is marked with a wood preparation instruction. Measures 2-7 are marked with dynamic markings: o-pppp (----) and ppp (< >). Performance instructions include pont. (ponticello) and tasto. (tasto).

geometria situs

violin (46)

James Saunders

1

2

3

4

5

6

7

cloth preparation

pont. → norm.

norm.

pont. → norm.

norm.

o-*pppp* (----)

ppp (< >)

geometria situs

violin (47)

James Saunders

1

2

3

4

5

6

7

cloth preparation

pont.

norm.

ppp (< >)

pppp (-----)

The musical score is written on a single staff with a treble clef and a key signature of one flat (B-flat). The score consists of seven measures, each marked with a number in a box above the staff. Measure 1 is labeled 'cloth preparation'. Measure 2 is marked with a double bar line and a dynamic marking of *ppp* (< >). Measure 3 is marked with a double bar line. Measure 4 is marked with a double bar line and a performance instruction 'pont.' with an arrow pointing to the measure. Measure 5 is marked with a double bar line. Measure 6 is marked with a double bar line and a performance instruction 'norm.' with an arrow pointing to the measure. Measure 7 is marked with a double bar line and a dynamic marking of *pppp* (-----). The score is written in a minimalist style with a focus on performance instructions and dynamics.

geometria situs

violin (48)

James Saunders

1 2 3 4 5 6 7

cloth preparation

pont.

ppp (<>) *o-pppp (-----)* *ppp*

The musical score is written on a single staff with a treble clef and a key signature of one flat (B-flat). The score is divided into seven measures, numbered 1 through 7. Measure 1 contains a whole note with a 'cloth preparation' instruction. Measure 2 contains a whole note with a 'p' dynamic marking. Measure 3 contains a whole note with a 'p' dynamic marking. Measure 4 contains a whole note with a 'p' dynamic marking. Measure 5 contains a whole note with a 'p' dynamic marking and a 'pont.' instruction. Measure 6 contains a whole note with a 'p' dynamic marking. Measure 7 contains a whole note with a 'p' dynamic marking. Below the staff, there are three performance instructions: *ppp (<>)* spanning measures 1 and 2, *o-pppp (-----)* spanning measures 2 and 4, and *ppp* spanning measures 5 and 7.

geometria situs

violin (49)

James Saunders

1 2 3 4 5 6 7

cloth preparation

pont. norm.

o-pppp (----)

ppp (<>)

The musical score is written on a single staff with a treble clef and a key signature of one flat (B-flat). It features seven numbered measures (1-7) with various performance instructions and dynamics. Measure 1 is marked with a box labeled 'cloth preparation'. Measure 2 has an arrow pointing to measure 3, which is marked 'pont.'. Measure 4 is marked 'norm.'. Measure 5 is marked with a box labeled 'o-pppp (----)'. Measure 6 is marked with a box labeled 'ppp (<>)'. Measure 7 is marked with a box labeled 'ppp (<>)'. The score includes various musical notations such as notes, rests, and dynamic markings.

geometria situs

violin (50)

James Saunders

1
card preparation
pont.

2

3
card

4

5

6
pont.

7

o-pppp (-----)

ppp (<>)

The musical score is written on a single staff with a treble clef and a key signature of one flat (B-flat). It features seven numbered measures (1-7) with various performance instructions and dynamic markings. Measure 1 includes a box labeled 'card preparation' and the instruction 'pont.'. Measure 2 has an arrow pointing to measure 3, which is labeled 'card'. Measure 5 has an arrow pointing to measure 6, which is labeled 'pont.'. The score includes dynamic markings: *o-pppp (-----)* at the beginning and *ppp (<>)* in measure 5. The staff is divided into measures by vertical bar lines, and there are double bar lines at the end of measures 1, 3, 5, and 7. The notes are mostly whole notes with stems, and there are some slurs and ties. The overall style is minimalist and experimental, typical of contemporary music notation.

geometria situs

violin (51)

James Saunders

1 2 3 4 5 6 7

card preparation

card

norm.

ppp *pppp (-----)* *ppp*

The musical score is written on a single staff with a treble clef and a key signature of one sharp (F#). The score is divided into seven numbered measures (1-7). Measure 1 is marked with a double bar line and the instruction 'card preparation'. Measure 2 is marked with a double bar line. Measure 3 is marked with a double bar line and the instruction 'card'. Measure 4 is marked with a double bar line and the instruction 'norm.'. Measure 5 is marked with a double bar line. Measure 6 is marked with a double bar line. Measure 7 is marked with a double bar line. The score includes various musical notations, including notes, rests, and dynamic markings. The dynamic markings are *ppp* (pianissimo) and *pppp (-----)* (pianississimo). The score also includes a series of horizontal lines and a series of vertical lines, which are likely part of the performance instructions.

geometria situs

violin (52)

James Saunders

The musical score is written on a single staff with a treble clef and a key signature of one flat (B-flat). It features seven numbered measures (1-7) with various musical notations and performance instructions.

Measure 1: A box labeled "card preparation" is positioned above the staff. Below the staff, the instruction "pont." is written. A horizontal line with an arrow points from the end of measure 1 to the beginning of measure 3, labeled "card".

Measure 2: A horizontal line with an arrow points from the end of measure 1 to the beginning of measure 3, labeled "card".

Measure 3: A horizontal line with an arrow points from the end of measure 1 to the beginning of measure 3, labeled "card".

Measure 4: A horizontal line with an arrow points from the end of measure 1 to the beginning of measure 3, labeled "card".

Measure 5: A horizontal line with an arrow points from the end of measure 1 to the beginning of measure 3, labeled "card".

Measure 6: A horizontal line with an arrow points from the end of measure 1 to the beginning of measure 3, labeled "card".

Measure 7: A horizontal line with an arrow points from the end of measure 1 to the beginning of measure 3, labeled "card".

Below the staff, there are three dynamic markings with corresponding slurs:

- Measure 1: *ppp* (pianissimo)
- Measure 4: *o-pppp (----)* (fortissimo)
- Measure 6: *ppp* (pianissimo)

geometria situs

violin (53)

James Saunders

1 2 3 4 5 6 7

card preparation

pont.

card

card

card

card

card

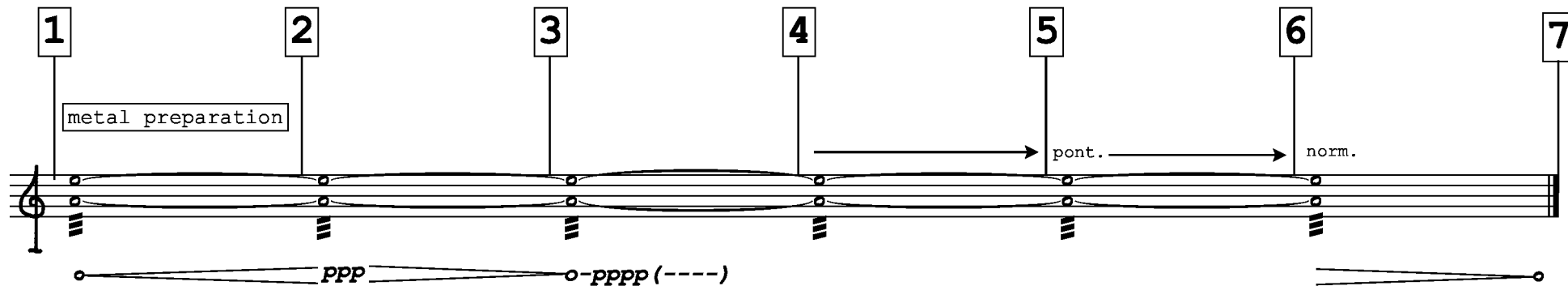
ppp

pppp (----)

geometria situs

violin (54)

James Saunders



geometria situs

violin (55)

James Saunders

1

2

3

4

5

6

7

metal preparation

pont.

norm.

o-pppp (-----)

ppp

The musical score is written on a single staff with a treble clef and a key signature of one flat. It features seven numbered measures (1-7) with various performance instructions and dynamics. Measure 1 is marked with a box labeled '1' and a text box 'metal preparation'. Measure 2 is marked with a box labeled '2'. Measure 3 is marked with a box labeled '3' and the instruction 'pont.'. Measure 4 is marked with a box labeled '4'. Measure 5 is marked with a box labeled '5' and the instruction 'norm.'. Measure 6 is marked with a box labeled '6'. Measure 7 is marked with a box labeled '7'. The score begins with a dynamic marking *o-pppp (-----)* and ends with a dynamic marking *ppp* and a fermata. Arrows indicate a transition from 'pont.' to 'norm.' between measures 4 and 5.

geometria situs

violin (56)

James Saunders

1

2

3

4

5

6

7

metal preparation

o-pppp (-----)

ppp (< >)

o-pppp (-----)

geometria situs

violin (57)

James Saunders

1 2 3 4 5 6 7

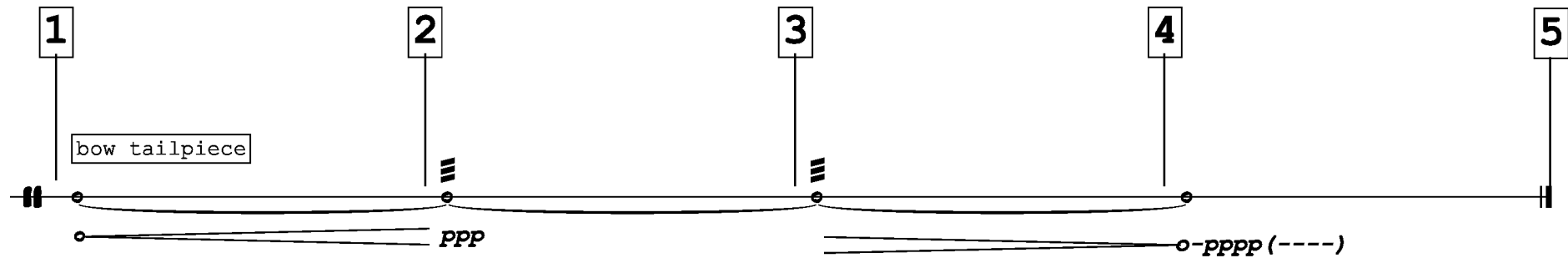
metal preparation

o-pppp (-----) *ppp* *o-pppp (-----)*

geometria situs

viola (1)

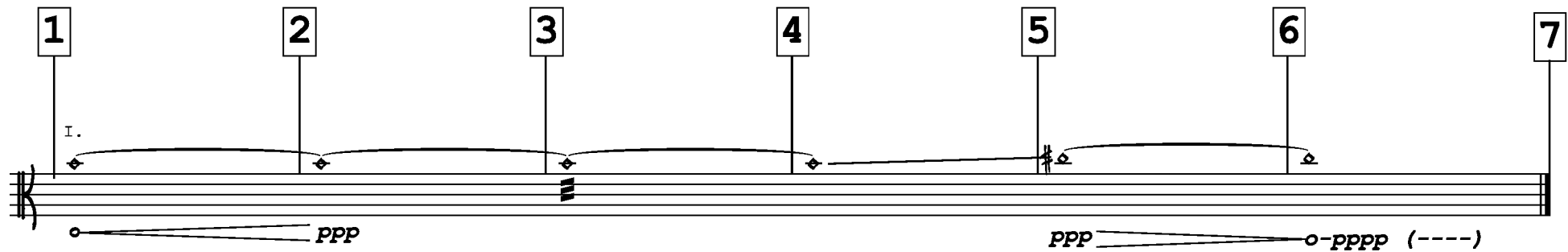
James Saunders



geometria situs

viola (2)

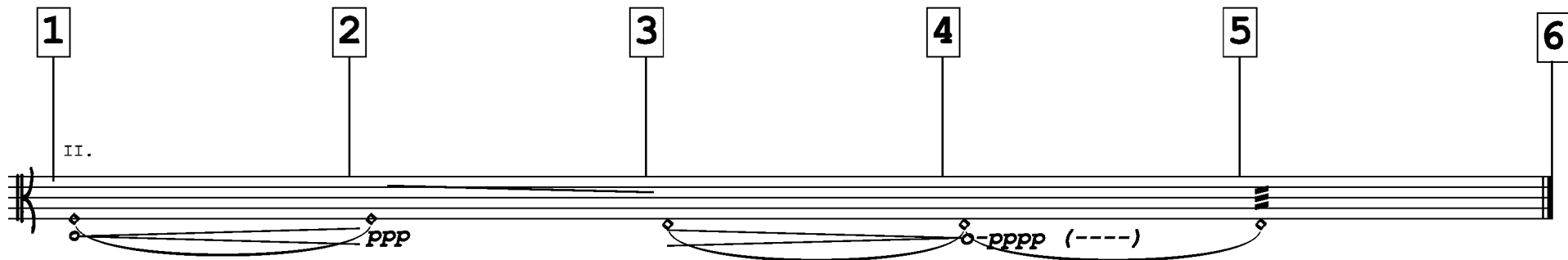
James Saunders



geometria situs

viola (3)

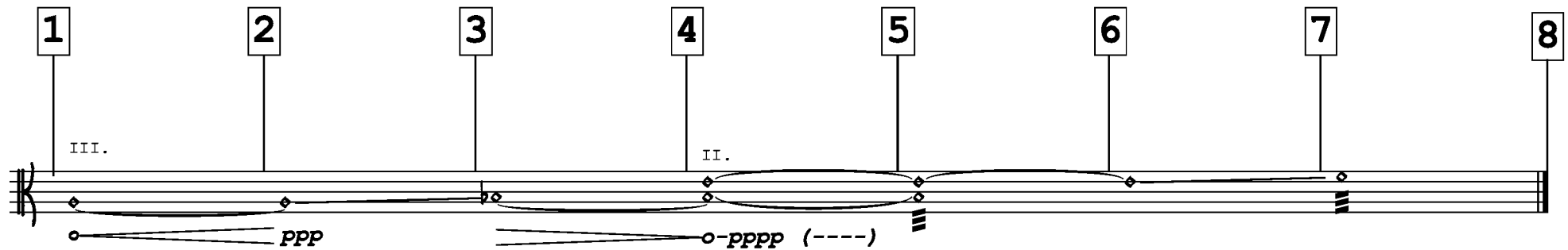
James Saunders



geometria situs

viola (4)

James Saunders



geometria situs

viola (5)

James Saunders

1 2 3 4 5 6

IV. pont.

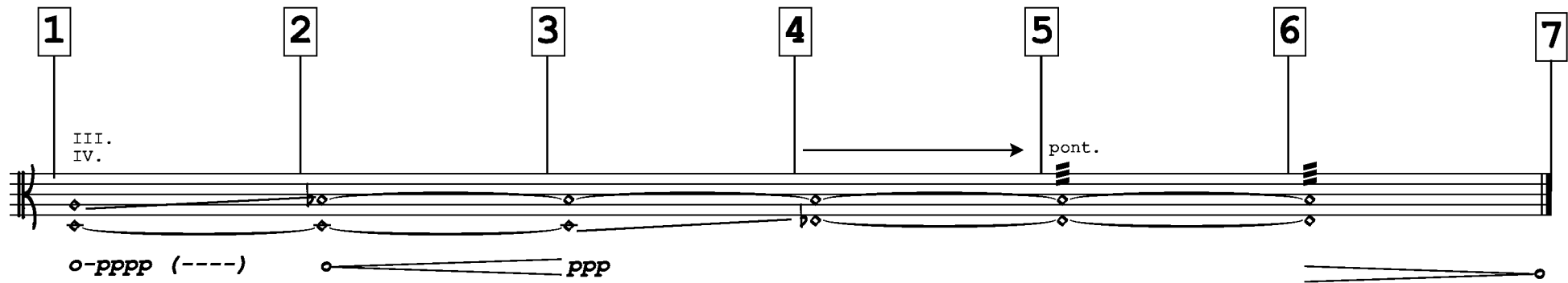
o-*pppp* (----) *ppp*

The musical score is written on a single staff with a key signature of one flat (B-flat). It consists of six measures, each marked with a number in a box above the staff. Measure 1 begins with a treble clef and a key signature of one flat. Measure 2 contains the instruction 'IV.' above the staff and 'pont.' below it, with an arrow pointing from measure 1 to measure 2. Measure 3 contains a double bar line. Measure 4 contains a double bar line. Measure 5 contains a double bar line. Measure 6 contains a double bar line. Below the staff, there are two dynamic markings: 'o-*pppp* (----)' under measure 1 and '*ppp*' under measure 3, with lines connecting them to the staff. There are also two diamond-shaped markings on the staff, one under measure 2 and one under measure 3, with lines connecting them to the staff.

geometria situs

viola (6)

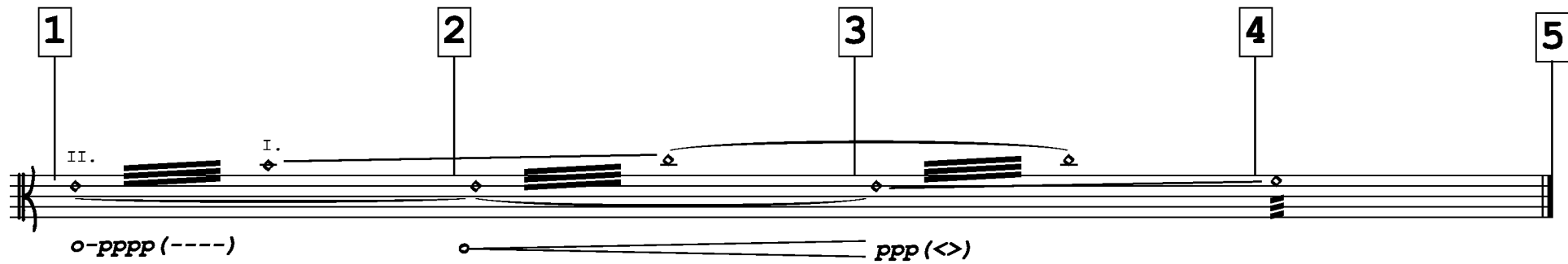
James Saunders



geometria situs

viola (7)

James Saunders



geometria situs

viola (8)

James Saunders

1 2 3 4 5 6

III.

II.

o-pppp (-----) ppp (< >)

o-pppp (-----)

geometria situs

viola (9)

James Saunders

1 2 3 4 5 6 7 8

III. IV.

ppp (>)

geometria situs

viola (10)

James Saunders

The musical score for Viola (10) consists of seven measures, each marked with a number in a box (1-7) above the staff. The staff is a five-line system with a treble clef and a key signature of one flat (B-flat). The notes are as follows:

- Measure 1: Quarter note B-flat, half note A, quarter note G.
- Measure 2: Quarter note F, half note E, quarter note D.
- Measure 3: Quarter note C, half note B, quarter note A.
- Measure 4: Quarter note G, half note F, quarter note E.
- Measure 5: Quarter note D, half note C, quarter note B.
- Measure 6: Quarter note A, half note G, quarter note F.
- Measure 7: Quarter note E, half note D, quarter note C.

Below the staff, there are two dynamic markings with lines pointing to the notes:

- ppp (<>)* points to the notes in measures 1, 2, and 3.
- pppp (-----)* points to the notes in measures 4, 5, 6, and 7.

geometria situs

viola (11)

James Saunders

1 2 3 4 5 6 7

o-pppp (-----) ppp (< >) o-pppp (-----)

geometria situs

viola (12)

James Saunders

1 2 3 4 5 6 7

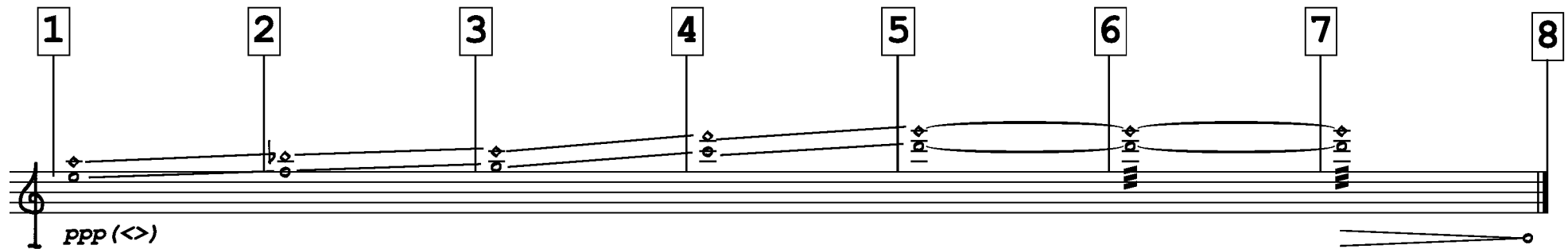
ppp (<>)

o-pppp (----)

geometria situs

viola (13)

James Saunders



geometria situs

viola (14)

James Saunders

1 2 3 4 5 6 7 8

ppp (<>) *pppp (----)*

geometria situs

viola (15)

James Saunders

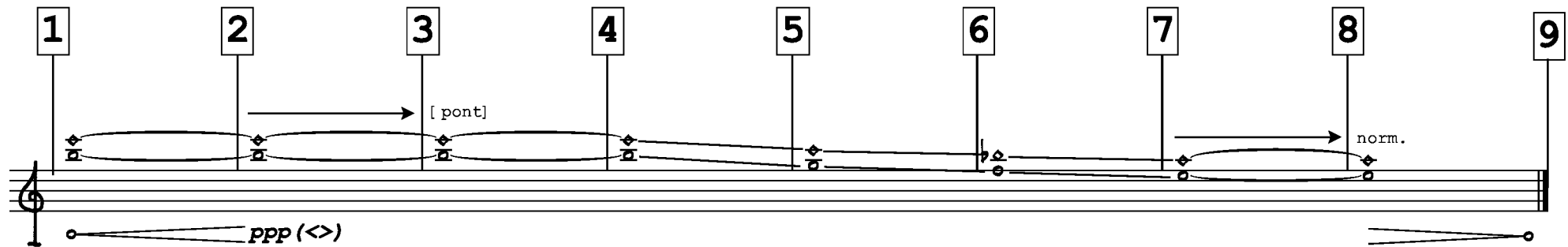
1 2 3 4 5 6 7 8

ppp (<>) *pppp (----)*

geometria situs

viola (16)

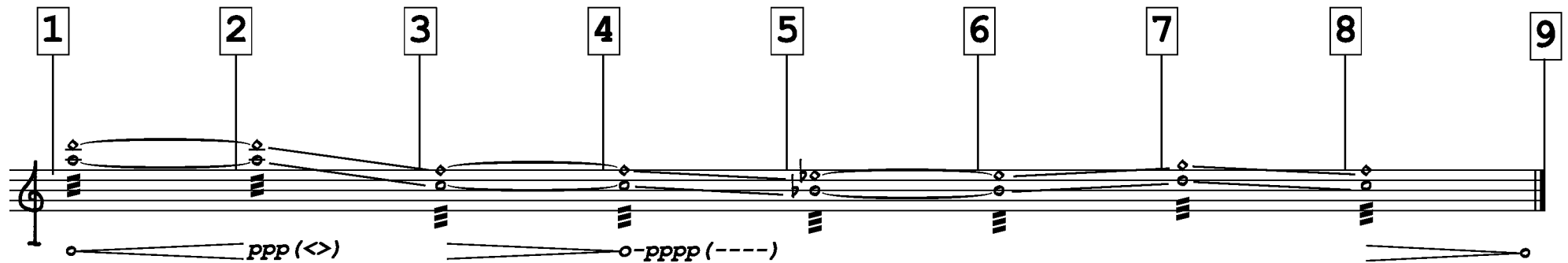
James Saunders



geometria situs

viola (17)

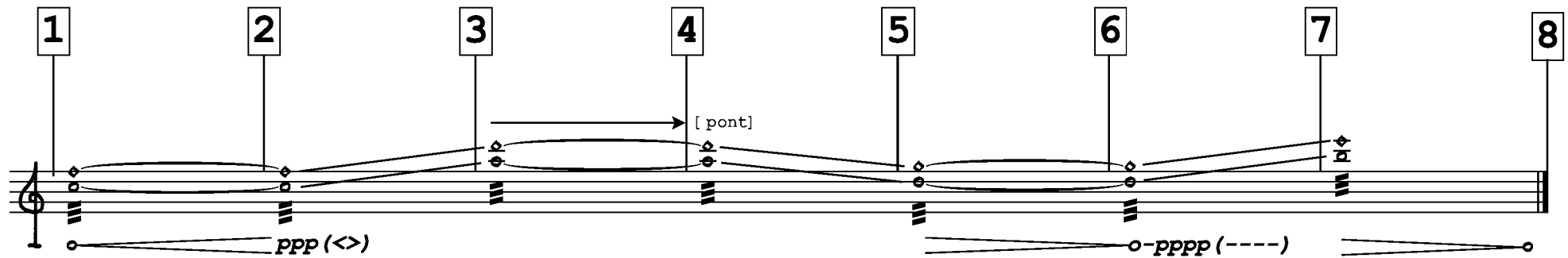
James Saunders



geometria situs

viola (18)

James Saunders



geometria situs

viola (19)

James Saunders

1 2 3 4 5 6 7 8

[pont]

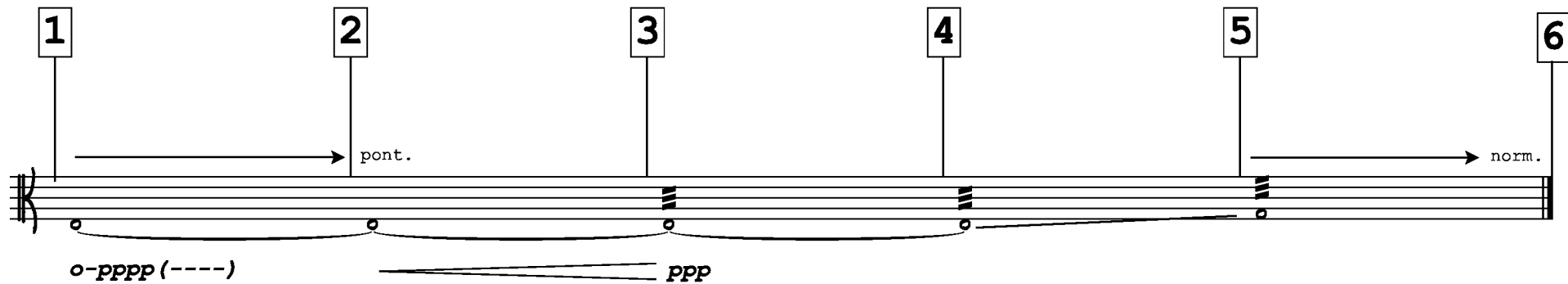
o-pppp (-----)

ppp (< >)

geometria situs

viola (20)

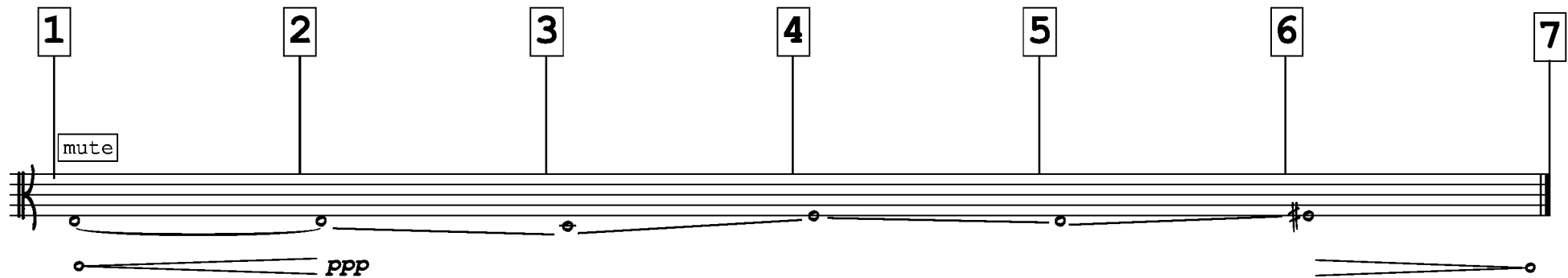
James Saunders



geometria situs

viola (21)

James Saunders



geometria situs

viola (22)

James Saunders

1 2 3 4 5 6 7

mute

o-pppp (-----)

geometria situs

viola (23)

James Saunders

1

2

3

4

5

6

7

mute
pont.

o-pppp (-----)

geometria situs

viola (24)

James Saunders

1

2

3

4

5

6

7

mute

o-pppp (----)

ppp (<>)

geometria situs

viola (25)

James Saunders

1

2

3

4

5

6

7

mute

o-pppp (-----)

ppp (< >)

o-pppp (-----)

geometria situs

viola (26)

James Saunders

The musical score is written on a single staff with a key signature of one flat (B-flat). The score is divided into six numbered measures (1-6) by vertical lines. Measure 1 begins with a treble clef and a key signature of one flat. Measure 2 contains a note with a fermata and the marking 'pont.'. Measure 3 contains a note with a fermata. Measure 4 contains a note with a fermata and the marking 'ppp (<>)'. Measure 5 contains a note with a fermata and the marking 'o-pppp (----)'. Measure 6 contains a note with a fermata and the marking 'o-pppp (----)'. The score includes various musical notations such as notes, rests, and dynamic markings.

1 2 3 4 5 6

o-pppp (----) ppp (<>) o-pppp (----)

geometria situs

viola (27)

James Saunders

1

2

3

4

5

6

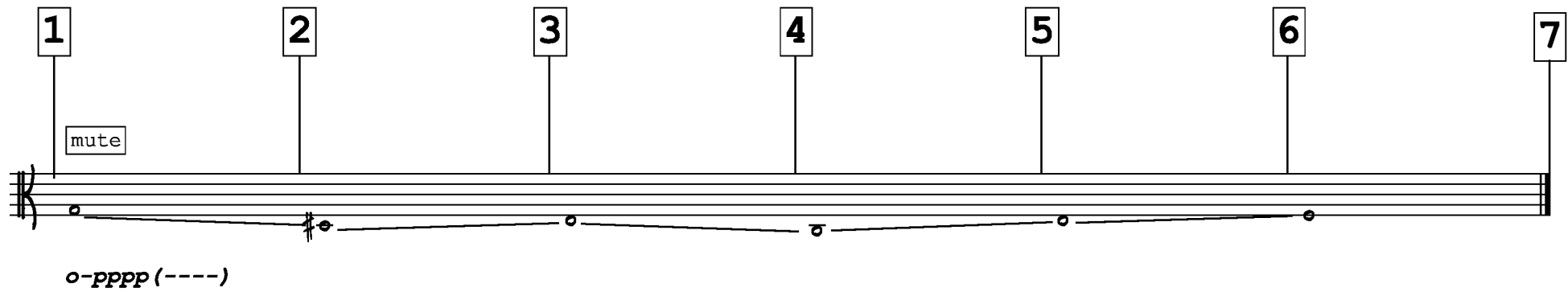
mute

ppp (<>)

geometria situs

viola (28)

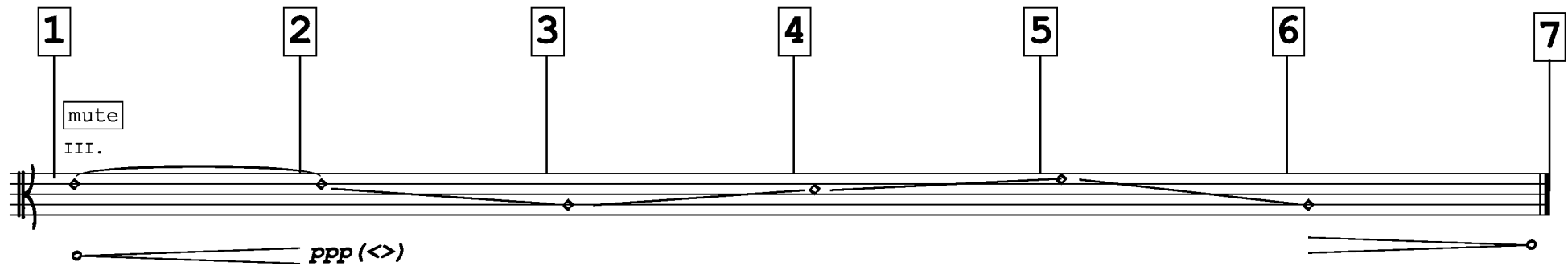
James Saunders



geometria situs

viola (29)

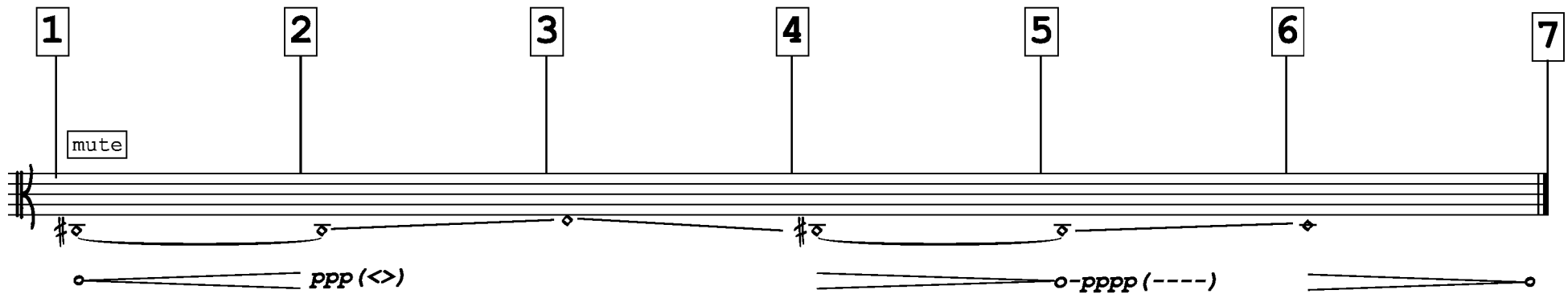
James Saunders



geometria situs

viola (30)

James Saunders



geometria situs

viola (31)

James Saunders

musical score for viola (31) showing a sequence of seven measures. The score is written on a single staff with a key signature of one sharp (F#) and a common time signature (C). The measures are numbered 1 through 7 above the staff. Measure 1 begins with a 'mute' instruction. The dynamic marking is *o-pppp (-----)*. The notation includes a series of slurs and ties across the measures, indicating a continuous melodic line. The notes are primarily half notes and quarter notes, with some rests. The final measure (7) ends with a double bar line.

1 2 3 4 5 6 7

mute

o-pppp (-----)

geometria situs

viola (32)

James Saunders

1 2 3 4 5 6 7

mute

pont

o-pppp (----)

ppp (<>)

geometria situs

viola (33)

James Saunders

1 2 3 4 5 6 7

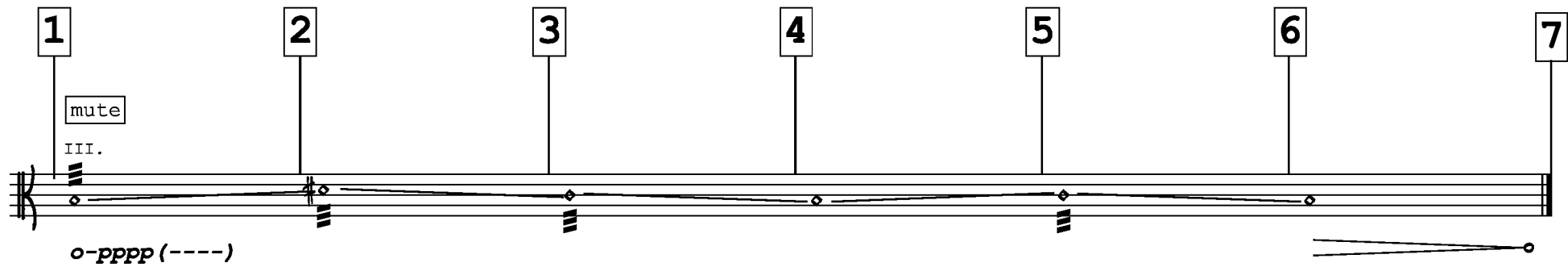
mute

o-pppp (<-->) *ppp (<-->)* *o-pppp (<-->)*

geometria situs

viola (34)

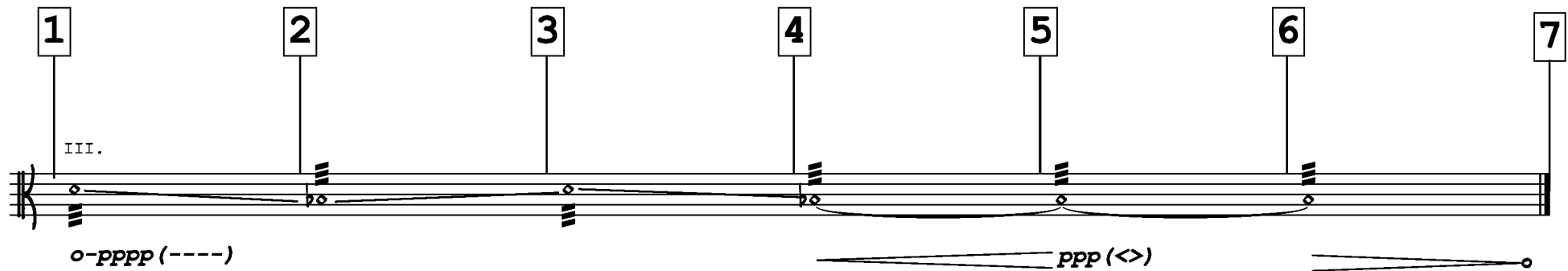
James Saunders



geometria situs

viola (35)

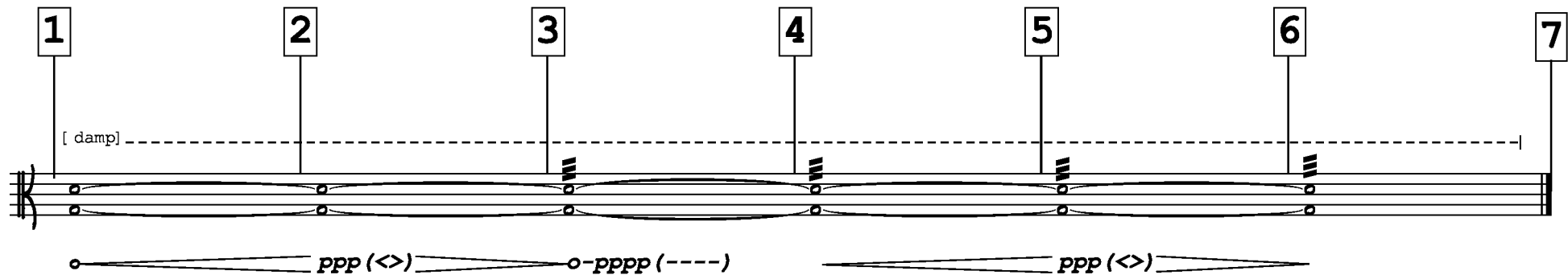
James Saunders



geometria situs

viola (36)

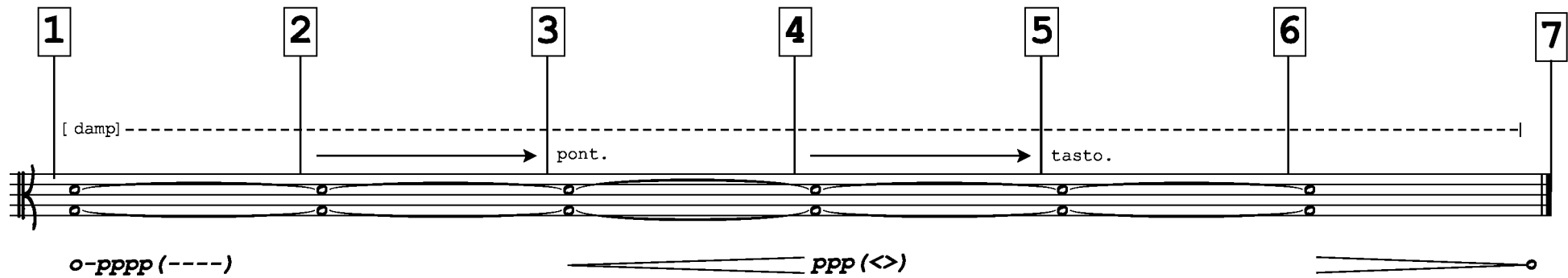
James Saunders



geometria situs

viola (37)

James Saunders



geometria situs

viola (38)

James Saunders

1 2 3 4 5 6 7

[damp] -----

tasto. ----- pont.

o-pppp (----) ppp (< >)

geometria situs

viola (39)

James Saunders

The musical score is written on a single staff with a key signature of one flat (B-flat). It consists of seven measures, numbered 1 through 7. The notation includes slurs, accents, and dynamic markings.

Measure 1: Starts with a [damp] marking. The note is marked *o-pppp (----)*.

Measure 2: The note is marked *ppp (<>)*.

Measure 3: The note is marked *ppp (<>)*.

Measure 4: The note is marked *ppp (<>)*.

Measure 5: The note is marked *ppp (<>)*.

Measure 6: The note is marked *ppp (<>)*.

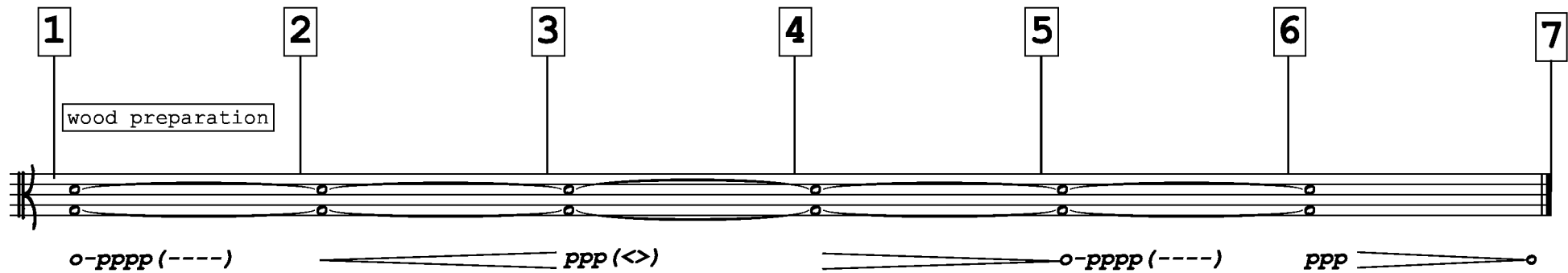
Measure 7: The note is marked *ppp (<>)*.

Additional markings include *pont.* (ponticello) and *tasto.* (tasto) above the staff, and *[damp]* at the beginning of the first measure.

geometria situs

viola (40)

James Saunders



geometria situs

viola (41)

James Saunders

1 2 3 4 5 6 7

wood preparation

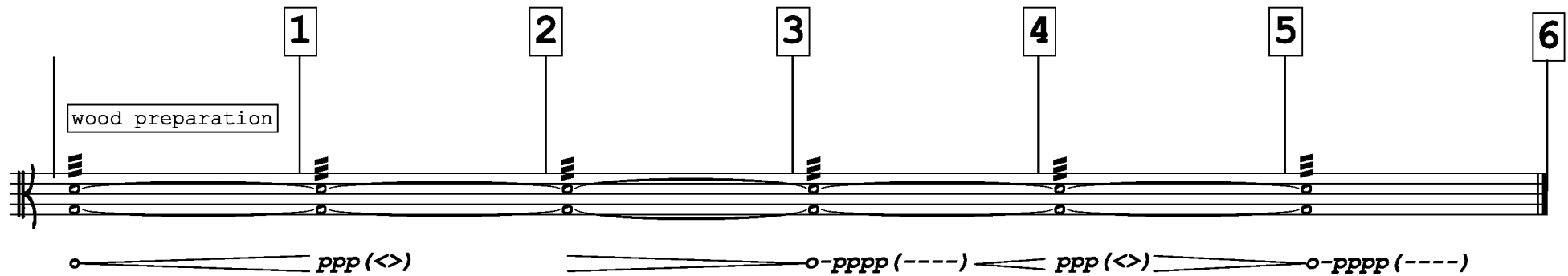
pont. tasto.

o-pppp (----) *ppp (<>)*

geometria situs

viola (42)

James Saunders



geometria situs

viola (43)

James Saunders

1

2

3

4

5

6

7

wood preparation

pont. →

tasto. →

pont.

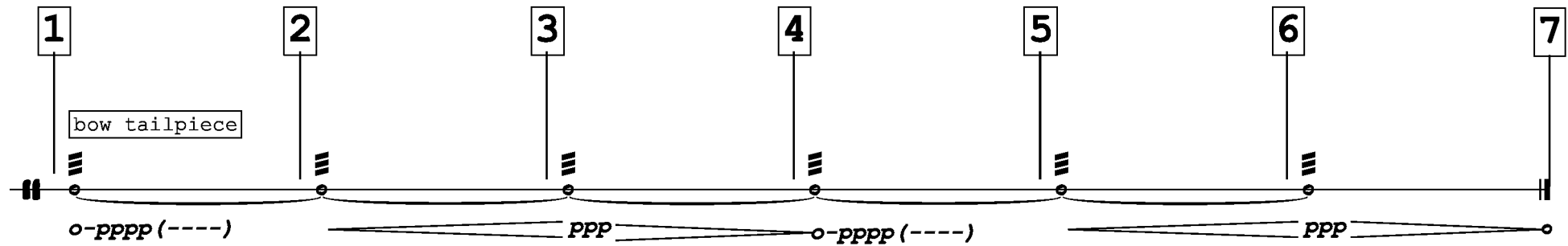
o-pppp (----)

ppp (<>)

geometria situs

viola (44)

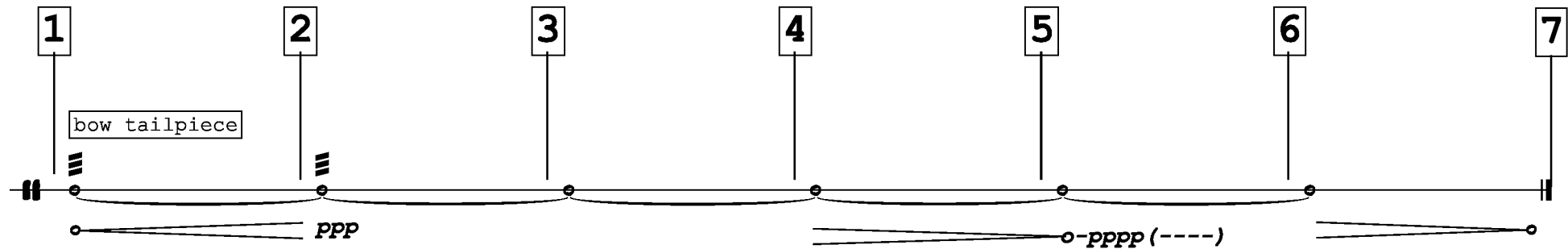
James Saunders



geometria situs

viola (45)

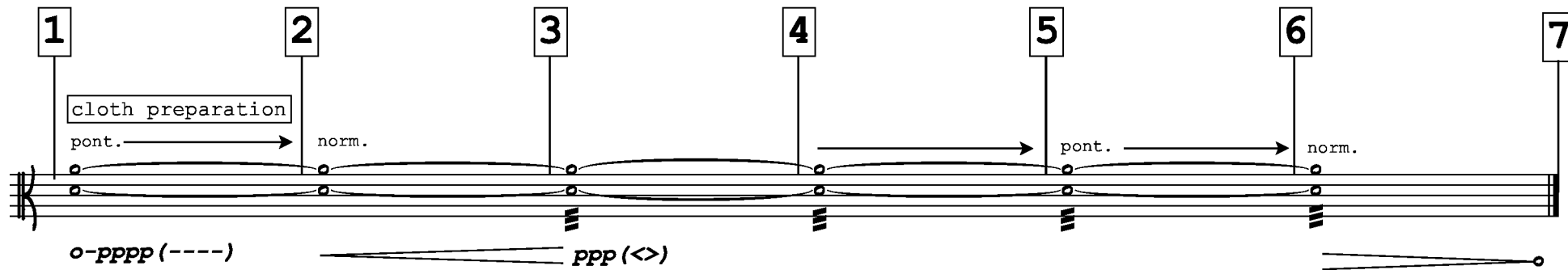
James Saunders



geometria situs

viola (46)

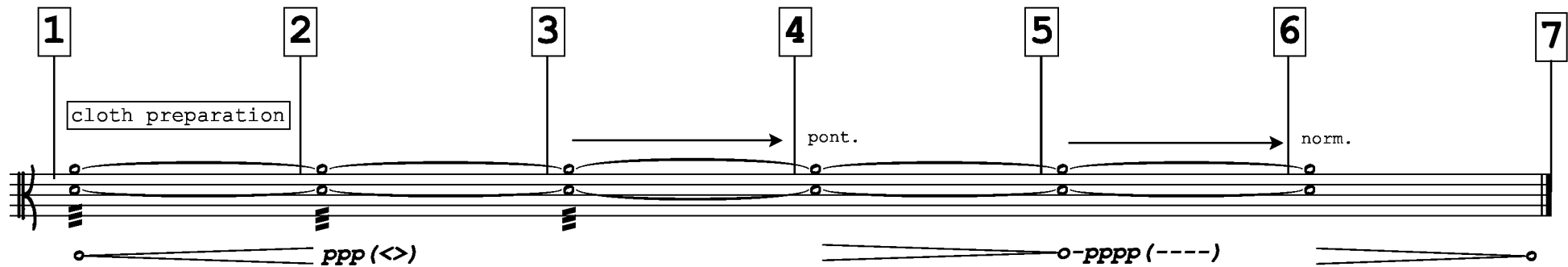
James Saunders



geometria situs

viola (47)

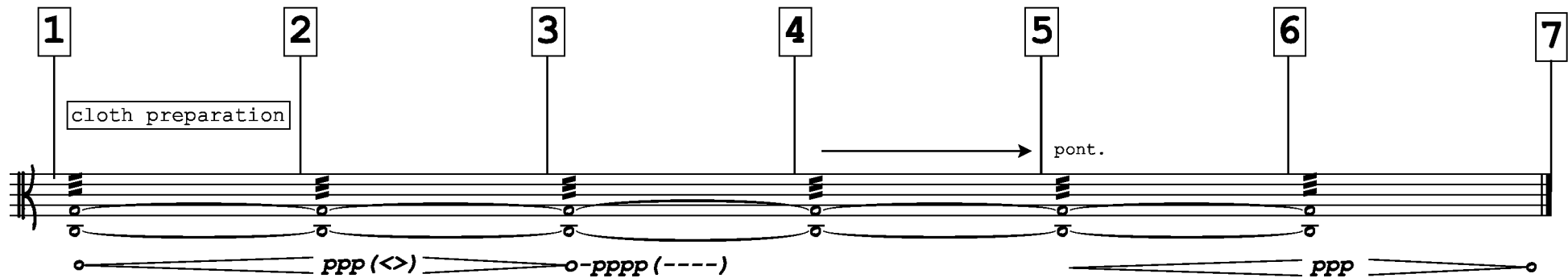
James Saunders



geometria situs

viola (48)

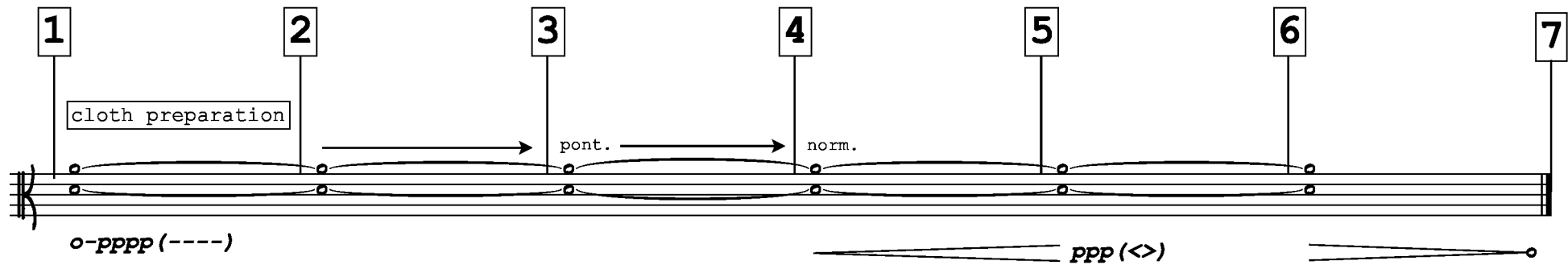
James Saunders



geometria situs

viola (49)

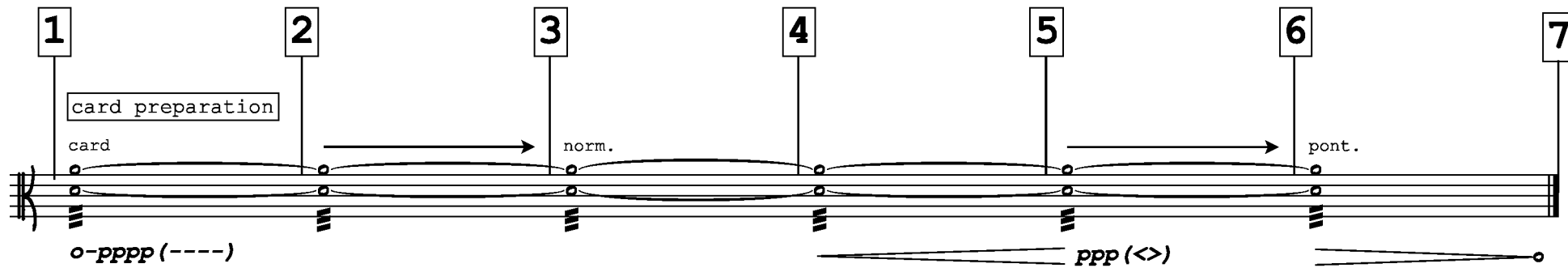
James Saunders



geometria situs

viola (50)

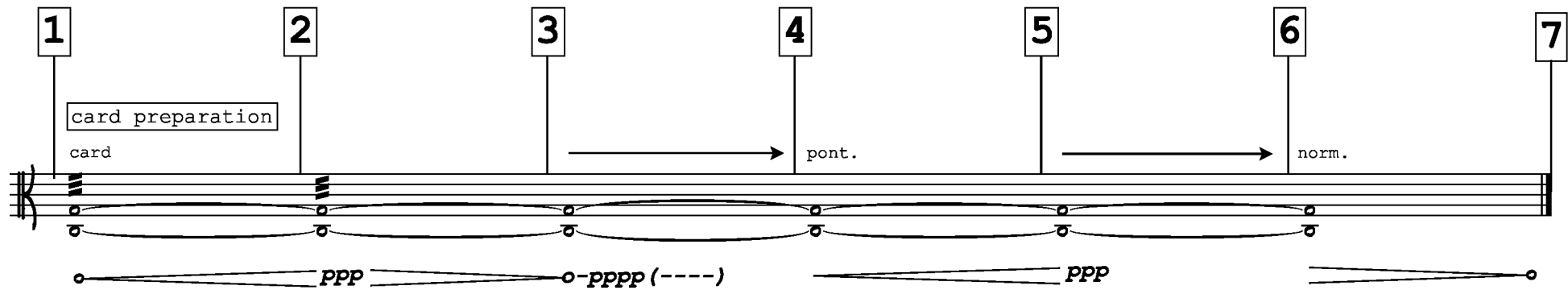
James Saunders



geometria situs

viola (51)

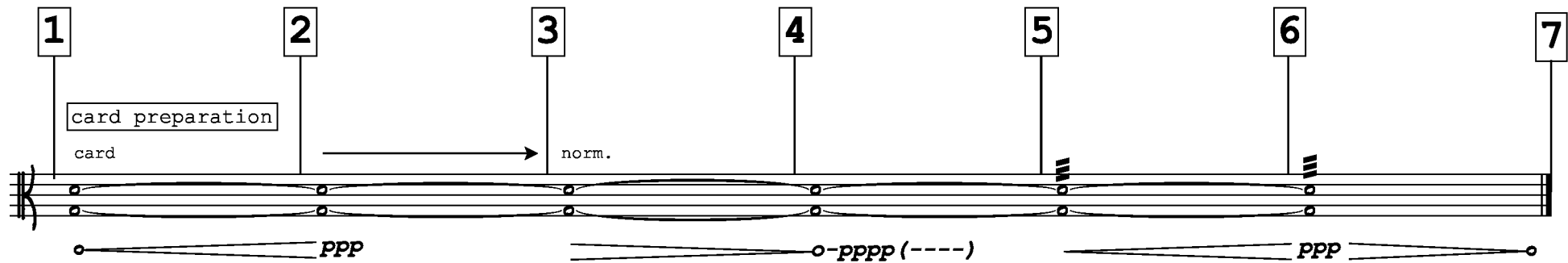
James Saunders



geometria situs

viola (52)

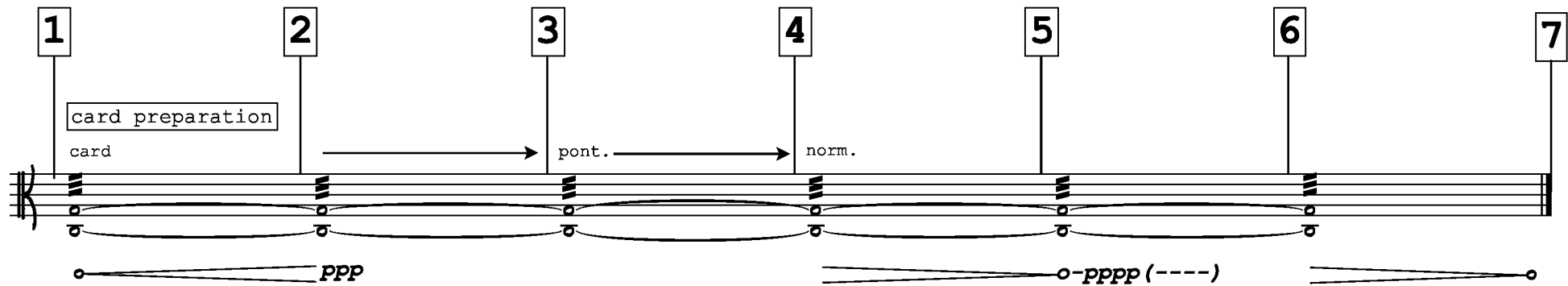
James Saunders



geometria situs

viola (53)

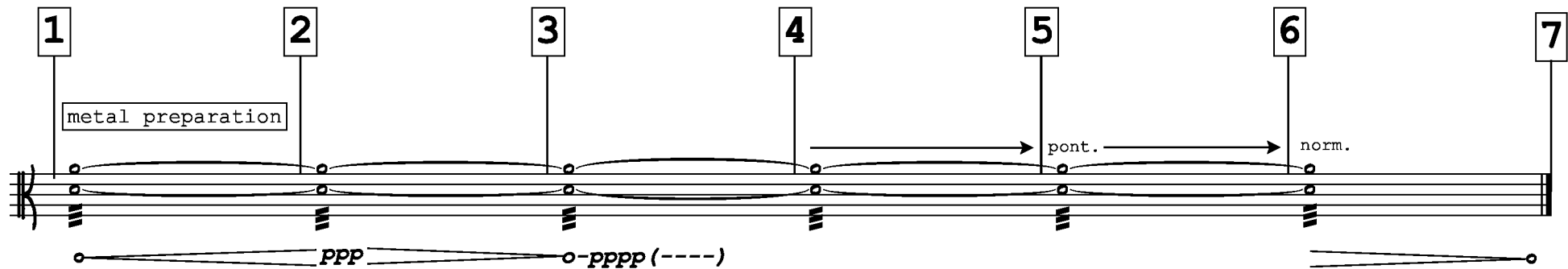
James Saunders



geometria situs

viola (54)

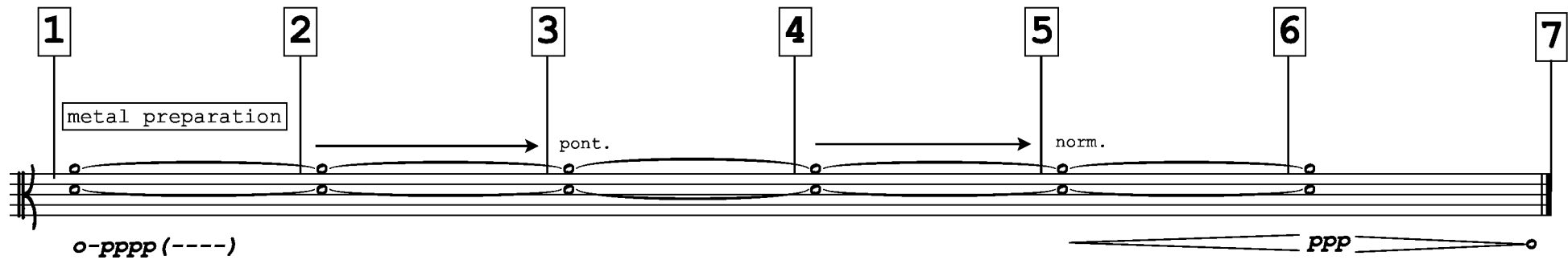
James Saunders



geometria situs

viola (55)

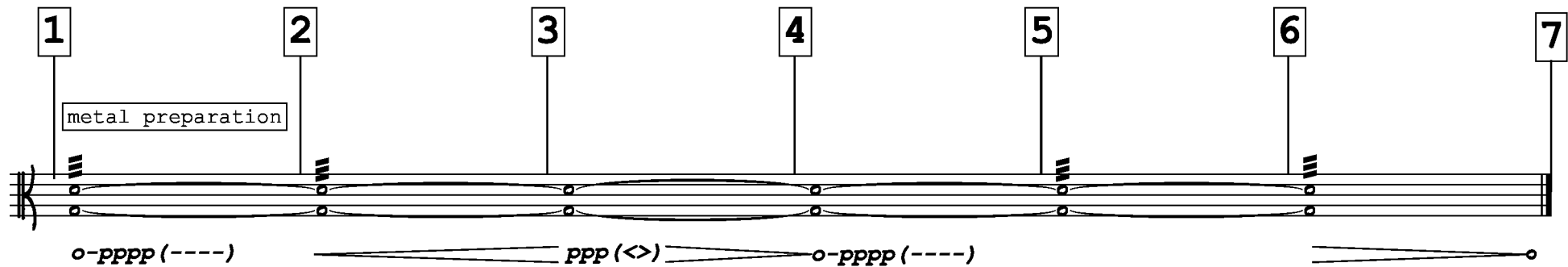
James Saunders



geometria situs

viola (56)

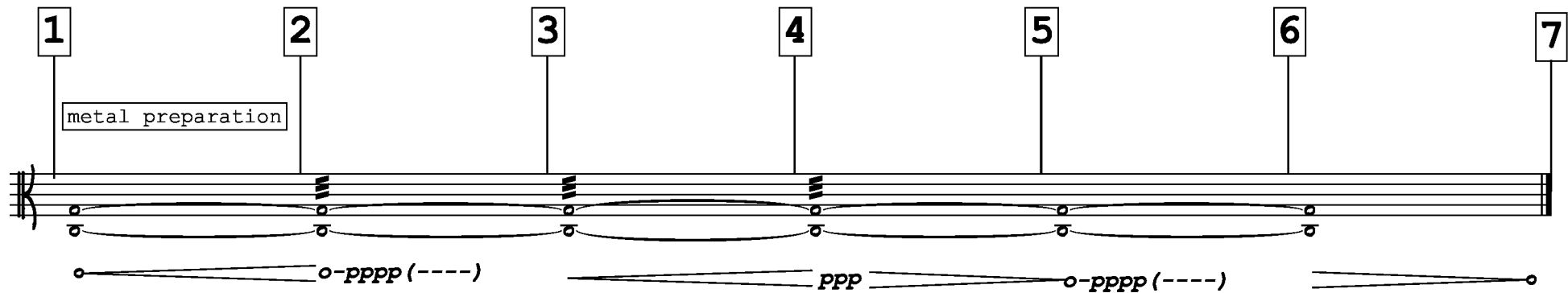
James Saunders



geometria situs

viola (57)

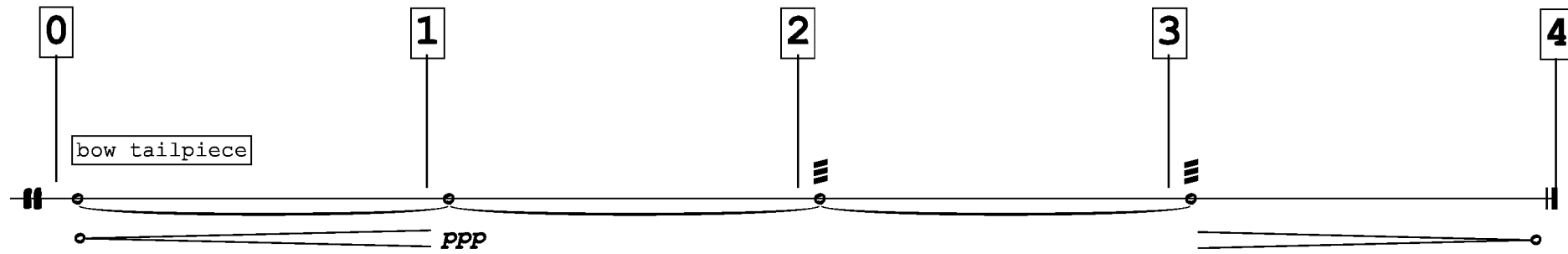
James Saunders



geometria situs

cello (1)

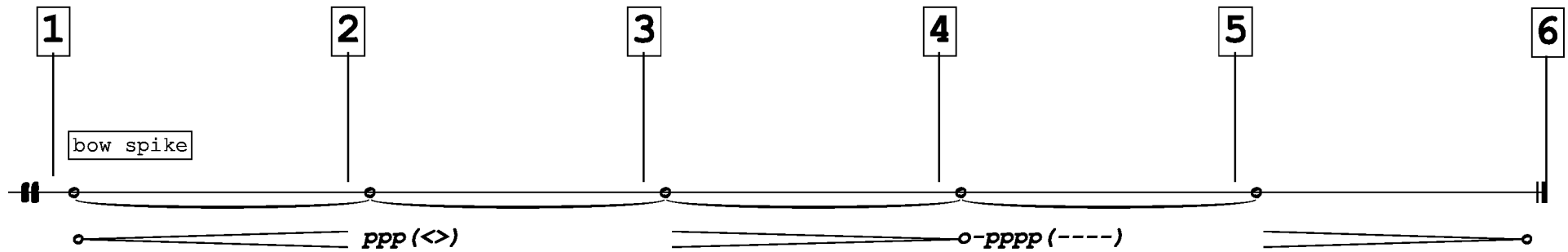
James Saunders



geometria situs

cello (2)

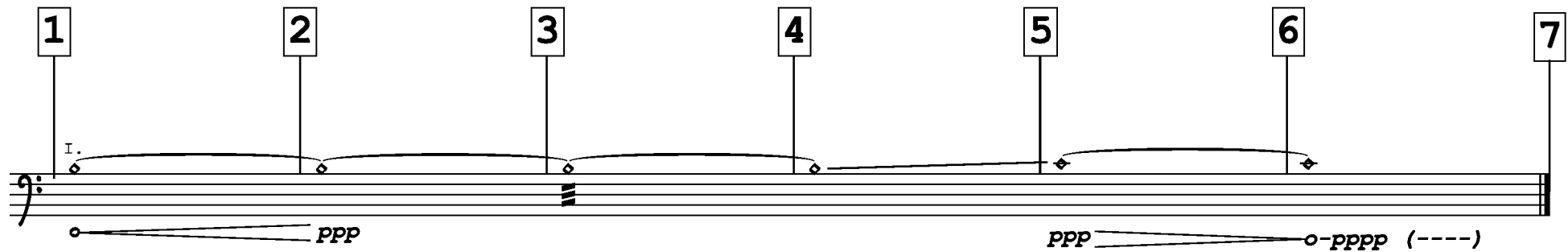
James Saunders



geometria situs

cello (3)

James Saunders



geometria situs

cello (4)

James Saunders

1 2 3 4 5 6

II.

PPP

pppp (-----)

pppp (-----)

geometria situs

cello (5)

James Saunders

The musical score is written on a single staff with a bass clef. It consists of eight measures, numbered 1 through 8. The notation includes notes, rests, and dynamic markings. Measure 1 starts with a bass clef and a note, followed by a rest. Measure 2 has a note. Measure 3 has a note. Measure 4 has a note. Measure 5 has a note. Measure 6 has a note. Measure 7 has a note. Measure 8 has a note. The score includes dynamic markings: *ppp* in measure 1, *pppp (-----)* in measure 4, and *pppp* in measure 7. There are also markings for *III.* in measure 1 and *II.* in measure 4. The score ends with a double bar line in measure 8.

1 2 3 4 5 6 7 8

III.

II.

ppp

pppp (-----)

pppp

geometria situs

cello (6)

James Saunders

1 2 3 4 5 6

IV. pont.

o-*pppp* (----) o-*ppp*

geometria situs

cello (7)

James Saunders

The musical score is written on a single staff with a bass clef. It consists of seven measures, each marked with a number in a box above the staff. The notation includes notes, rests, and dynamic markings.

- Measure 1: Starts with a rest, followed by a note. Above the staff, the Roman numerals "III." and "IV." are written. Below the staff, the dynamic marking "o-pppp (----)" is present.
- Measure 2: Contains a note with a slur extending to the next measure. Below the staff, the dynamic marking "ppp" is present.
- Measure 3: Contains a note with a slur extending to the next measure.
- Measure 4: Contains a note with a slur extending to the next measure. An arrow points from the staff to the word "pont." below the staff.
- Measure 5: Contains a note with a slur extending to the next measure. Below the staff, the dynamic marking "ppp" is present.
- Measure 6: Contains a note with a slur extending to the next measure.
- Measure 7: Contains a note with a slur extending to the next measure.

geometria situs

cello (8)

James Saunders

1 2 3 4 5

II. I.

o-pppp (----) ppp (<>)

geometria situs

cello (9)

James Saunders

1 2 3 4 5 6

III. II. [minimal movement]

o-pppp (-----) ppp (<>) o-pppp (-----)

geometria situs

cello (10)

James Saunders

1 2 3 4 5 6 7 8

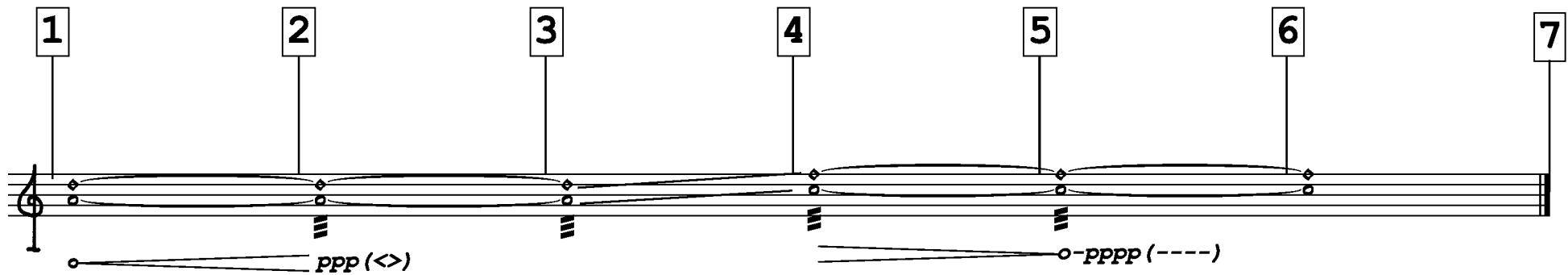
III. IV.

ppp (<>)

geometria situs

cello (11)

James Saunders



geometria situs

cello (12)

James Saunders

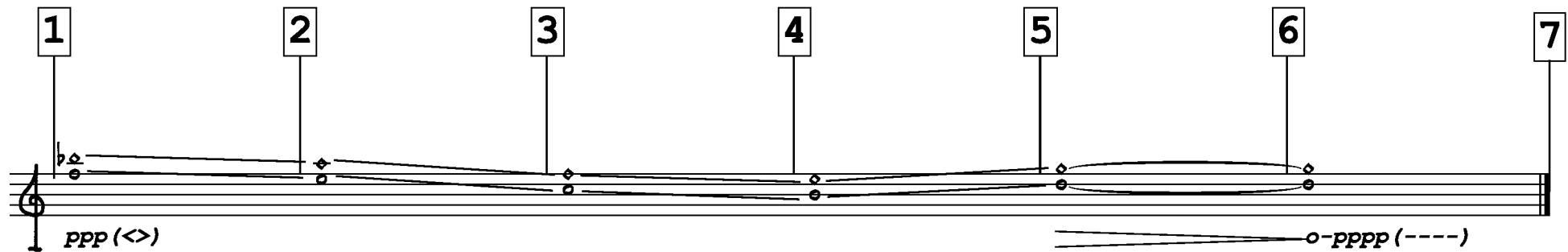
1 2 3 4 5 6 7

o-*pppp* (----) *ppp* (< >) o-*pppp* (----)

geometria situs

cello (13)

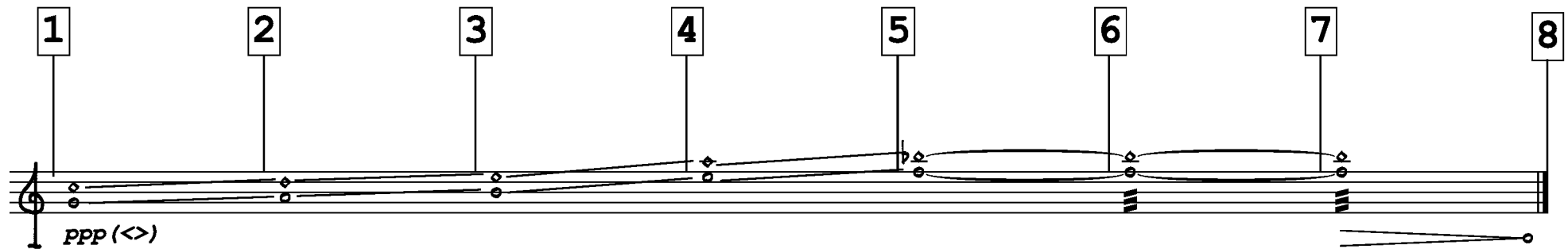
James Saunders



geometria situs

cello (14)

James Saunders



geometria situs

cello (15)

James Saunders

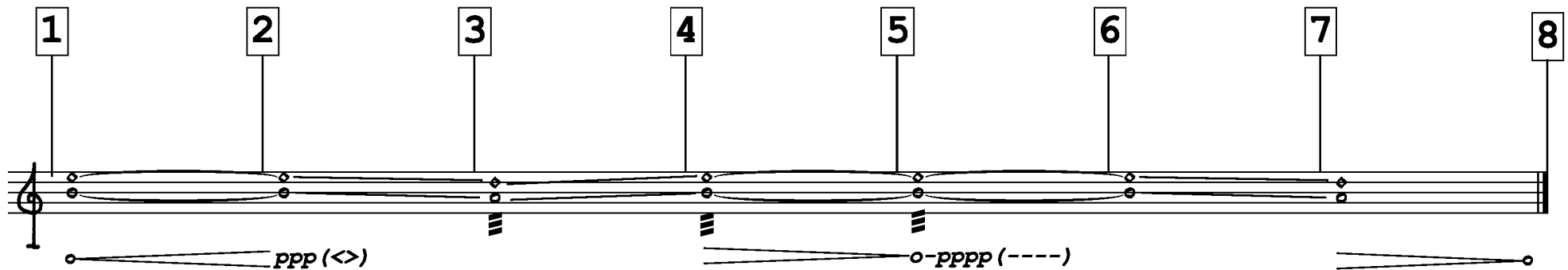
1 2 3 4 5 6 7 8

ppp (< >) *pppp (-----)* *ppp (< >)*

geometria situs

cello (16)

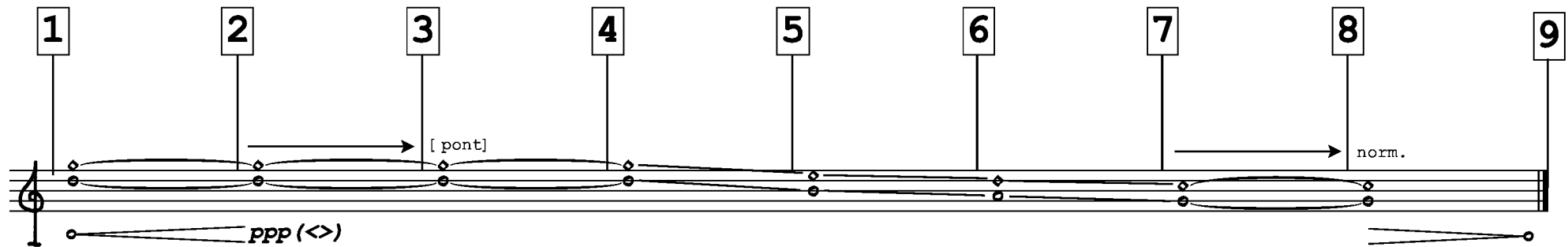
James Saunders



geometria situs

cello (17)

James Saunders



geometria situs

cello (18)

James Saunders

1 2 3 4 5 6 7 8 9

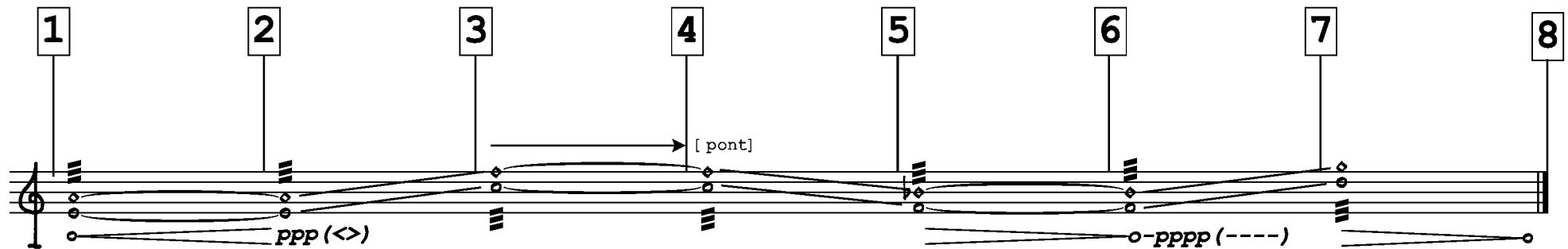
ppp (<>) *pppp (-----)*

The musical score is written on a single staff with a treble clef and a key signature of one flat (B-flat). The notation is minimalist, focusing on pitch and dynamics rather than rhythm. Measures 1 and 2 feature a long, sweeping slur connecting notes across the staff. Measures 3 through 9 are marked with vertical bar lines and contain notes that often span multiple lines of the staff, indicating a wide range of pitches. Performance instructions are provided below the staff: *ppp (<>)* is indicated under measures 1 and 2, and *pppp (-----)* is indicated under measures 3 through 9. The notation uses diamond-shaped note heads and includes various line markings such as slurs, ties, and vertical bar lines.

geometria situs

cello (19)

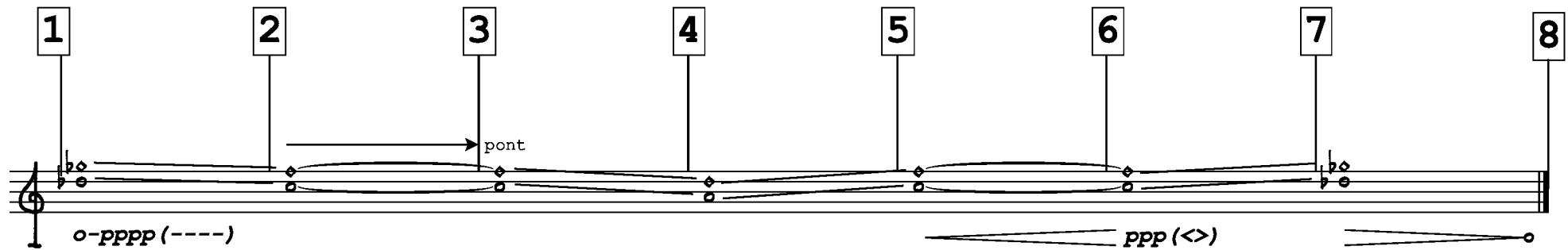
James Saunders



geometria situs

cello (20)

James Saunders



geometria situs

cello (21)

James Saunders

1 2 3 4 5 6

pont. norm.

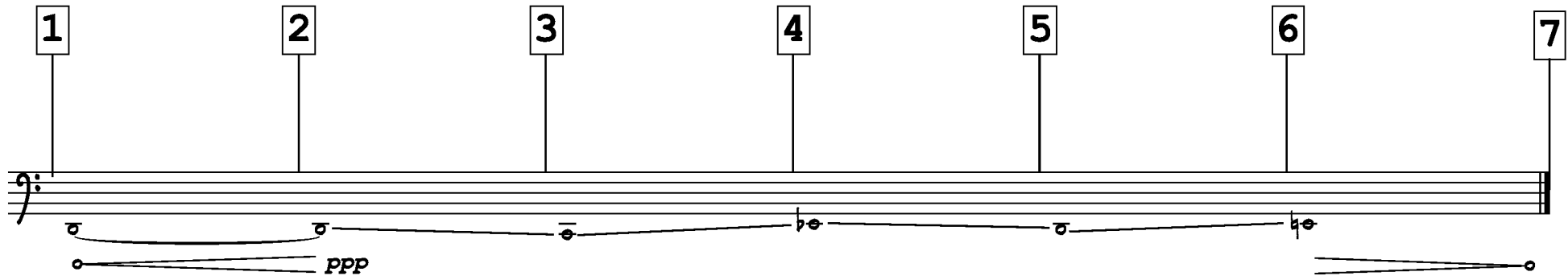
o-*pppp* (----) *ppp*

The musical score is written on a single staff with a bass clef. It consists of six measures, each marked with a number in a box above the staff. Measure 1 starts with a whole note and a dynamic of *pppp* (----). Measure 2 is marked with a bowing instruction 'pont.'. Measure 3 is marked with a bowing instruction 'norm.'. Measure 4 is marked with a dynamic of *ppp*. Measure 5 is marked with a bowing instruction 'norm.'. Measure 6 is marked with a bowing instruction 'norm.'. The score includes a repeat sign at the end of measure 5. A curved line connects the notes in measures 1, 2, 3, 4, and 5, indicating a continuous melodic line. A double bar line is placed between measures 3 and 4.

geometria situs

cello (22)

James Saunders



geometria situs

cello (23)

James Saunders

1 2 3 4 5 6 7

o-pppp (-----)

geometria situs

cello (24)

James Saunders

1

2

3

4

5

6

7

pont.

o-pppp (----)

geometria situs

cello (25)

James Saunders

A musical score for cello, measures 1 through 7. The notation is on a single staff with a bass clef and a key signature of one flat (B-flat). The notes are: Measure 1: B-flat (half note); Measure 2: B-flat (half note); Measure 3: B-flat (half note); Measure 4: B-flat (half note); Measure 5: B-flat (half note); Measure 6: B-flat (half note); Measure 7: B-flat (half note). The notes are connected by a long horizontal line. Above the staff, measures 1 through 7 are numbered in boxes. Below the staff, there are dynamic markings: 'o-pppp (----)' under measure 1, 'ppp (<>)' under measure 5, and a final note under measure 7. There are also some vertical lines and a horizontal line connecting the notes.

1 2 3 4 5 6 7

o-pppp (----) *ppp (<>)*

geometria situs

cello (26)

James Saunders

1 2 3 4 5 6 7

o-pppp (-----) *ppp (< >)* *o-pppp (-----)*

geometria situs

cello (27)

James Saunders

The musical score is written on a single staff with a bass clef. It consists of six measures, each marked with a number in a box above the staff:

- Measure 1:** Starts with a half note on the first line (F2). Below the staff is the dynamic marking *o-pppp (-----)*.
- Measure 2:** Contains a half note on the second line (C3). Above the staff, an arrow points from the first measure to this one, labeled *pont.*. Below the staff is a slur connecting the notes of measures 1 and 2.
- Measure 3:** Contains a half note on the second space (D3). Below the staff is the dynamic marking *ppp (<>)*.
- Measure 4:** Contains a half note on the third line (F3). Below the staff is a slur connecting the notes of measures 3 and 4.
- Measure 5:** Contains a half note on the third space (C4). Below the staff is the dynamic marking *o-pppp (-----)*.
- Measure 6:** Contains a half note on the fourth line (F4). Below the staff is a slur connecting the notes of measures 5 and 6.

The score uses various musical notations including half notes, slurs, and dynamic markings to indicate performance instructions.

geometria situs

cello (28)

James Saunders

1 2 3 4 5 6

ppp (<>)

geometria situs

cello (29)

James Saunders

1 2 3 4 5 6 7

[damp]

pont.

tasto.

pont.

o-pppp (----)

ppp (< >)

ppp (< >)

Detailed description: This is a musical score for cello, measures 1 through 7. The notation is on a single staff with a bass clef. Measures 1 and 2 contain a half note. Measures 3 through 6 contain a half note with a fermata. Measure 7 contains a half note. Above the staff, there are seven numbered boxes (1-7) corresponding to the measures. A dashed line labeled '[damp]' spans from measure 1 to measure 6. Below the staff, there are three performance instructions: 'o-pppp (----)' under measure 1, 'ppp (< >)' under measure 4, and 'ppp (< >)' under measure 6. Above the staff, there are three horizontal arrows labeled 'pont.' (ponticello) and 'tasto.' (tasto). The first 'pont.' arrow spans from measure 2 to measure 3. The 'tasto.' arrow spans from measure 4 to measure 5. The second 'pont.' arrow spans from measure 6 to measure 7.

geometria situs

cello (30)

James Saunders

1 2 3 4 5 6 7

[damp] -----

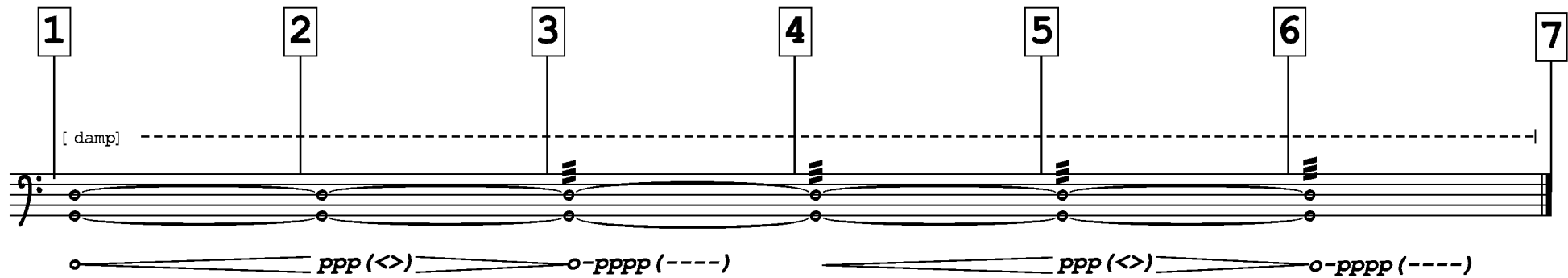
tasto. ----- pont.

o-pppp (----) ppp (<>) ppp (<>)

geometria situs

cello (31)

James Saunders



geometria situs

cello (32)

James Saunders

1 2 3 4 5 6 7

[damp] -----

-----> pont. -----> tasto.

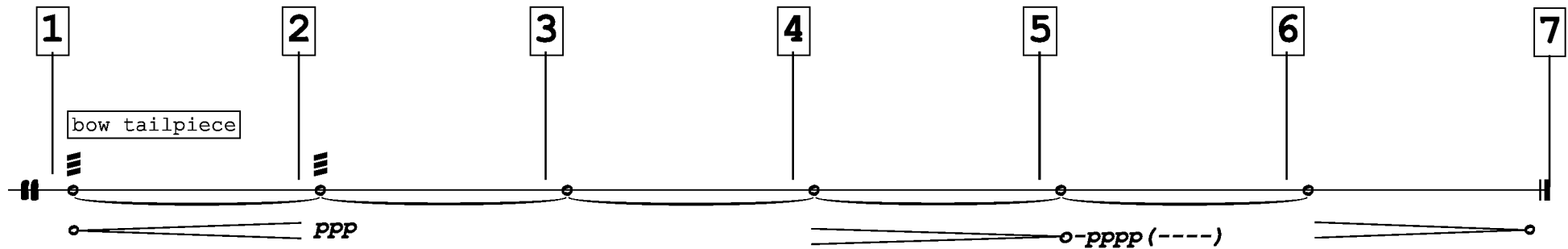
o-pppp (----) ppp (< >) o

Detailed description: This is a musical score for cello, measures 1 through 7. The notation is on a single staff with a bass clef. Above the staff, seven numbered boxes (1-7) are connected to the staff by vertical lines. A dashed line labeled '[damp]' spans from measure 1 to measure 6. Two horizontal arrows indicate performance techniques: 'pont.' (ponticello) from measure 2 to 4, and 'tasto.' (tasto) from measure 4 to 6. Below the staff, three performance markings are shown: 'o-pppp (----)' under measure 1, 'ppp (< >)' under measures 3 and 4, and a wedge-shaped decrescendo leading to a final note 'o' at the end of measure 7.

geometria situs

cello (33)

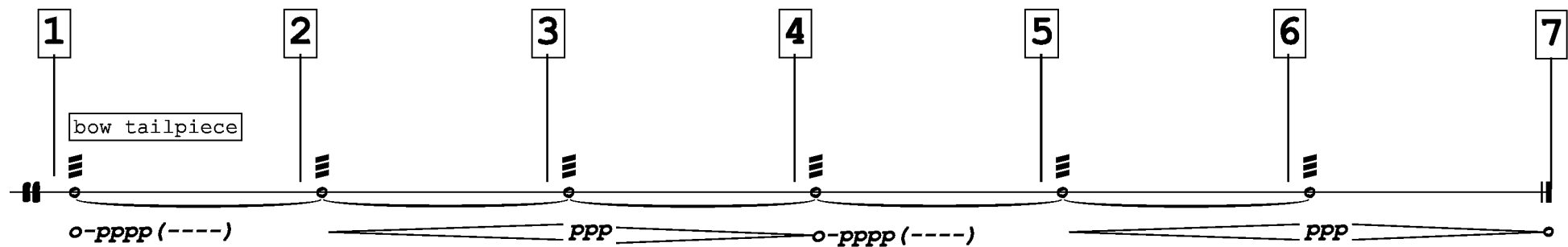
James Saunders



geometria situs

cello (34)

James Saunders



geometria situs

cello (35)

James Saunders

1 wood preparation

2

3

4 pont.

5 tast.

6 pont.

7

o-pppp (----)

ppp (<>)

The musical score is written on a single staff with a bass clef. It consists of seven measures, each marked with a number in a box above the staff. Measure 1 is marked with a box labeled '1' and a text box 'wood preparation' pointing to the staff. Measure 2 is marked with a box labeled '2'. Measure 3 is marked with a box labeled '3'. Measure 4 is marked with a box labeled '4' and the instruction 'pont.' with an arrow pointing to the staff. Measure 5 is marked with a box labeled '5' and the instruction 'tasto.' with an arrow pointing to the staff. Measure 6 is marked with a box labeled '6' and the instruction 'pont.' with an arrow pointing to the staff. Measure 7 is marked with a box labeled '7'. Below the staff, there are two dynamic markings: '*o-pppp (----)*' under measure 1 and '*ppp (<>)*' under measure 3. A final double bar line is at the end of measure 7.

geometria situs

cello (36)

James Saunders

1

2

3

4

5

6

7

wood preparation

ppp (<>)

pppp (-----)

ppp (<>)

pppp (-----)

geometria situs

cello (37)

James Saunders

1

2

3

4

5

6

7

wood preparation

pont.

tasto.

o-pppp (----)

ppp (<>)

The musical score is written on a single staff with a bass clef. It consists of seven measures, each marked with a number in a box above the staff. Measure 1 is marked 'wood preparation'. Measure 2 is marked 'o-pppp (----)'. Measure 3 is marked 'ppp (<>)'. Measure 4 is marked 'pont.'. Measure 5 is marked 'tasto.'. Measure 6 is marked 'ppp (<>)'. Measure 7 is marked 'o-pppp (----)'. There are also performance instructions 'pont.' and 'tasto.' between measures 3 and 4, and 4 and 5 respectively. The score includes various musical notations such as notes, rests, and dynamic markings.

geometria situs

cello (38)

James Saunders

1

2

3

4

5

6

7

wood preparation

o-pppp (----)

ppp (<>)

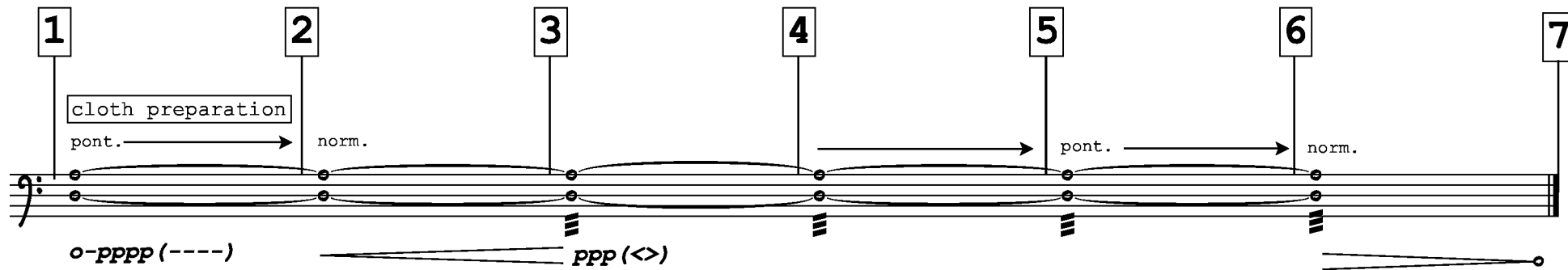
o-pppp (----)

ppp

geometria situs

cello (39)

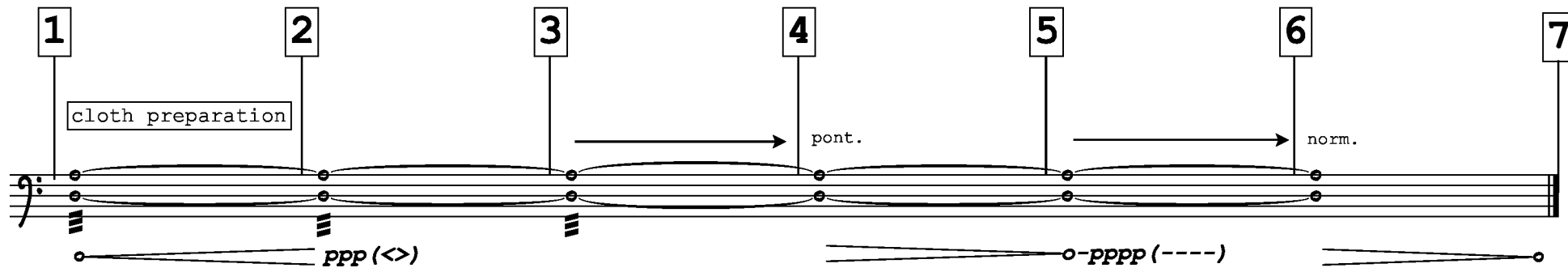
James Saunders



geometria situs

cello (40)

James Saunders



geometria situs

cello (41)

James Saunders

1

2

3

4

5

6

7

cloth preparation

pont.

ppp (<>)

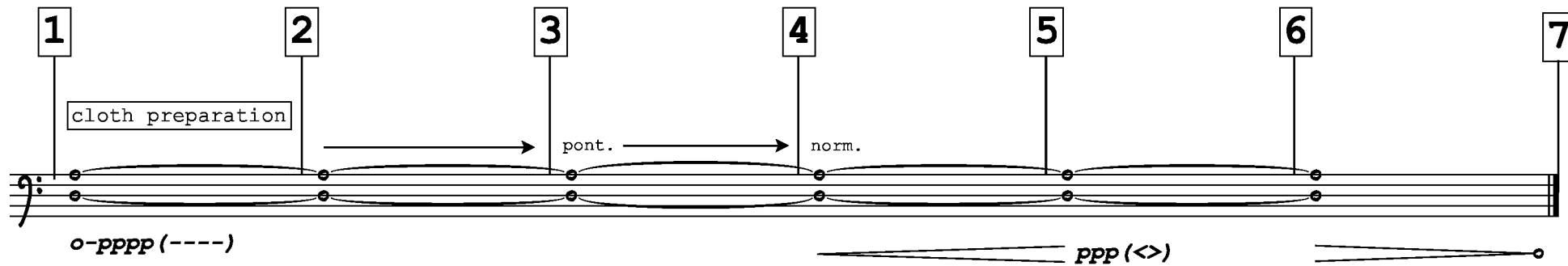
pppp (-----)

ppp

geometria situs

cello (42)

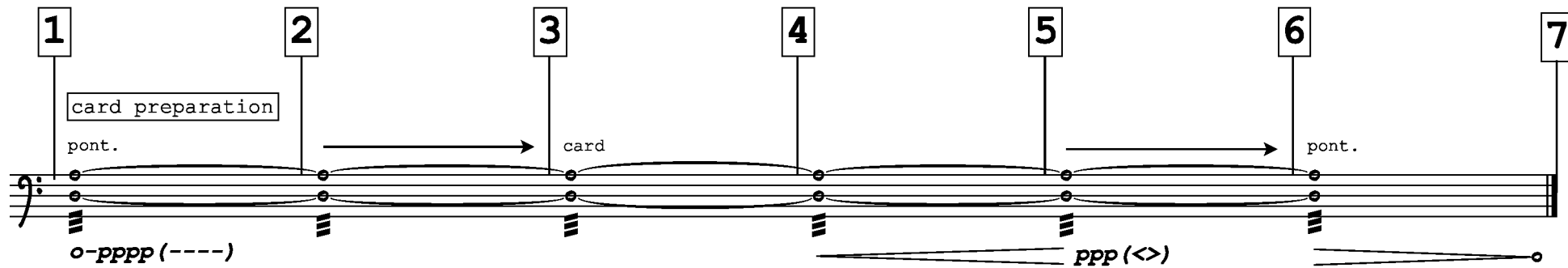
James Saunders



geometria situs

cello (43)

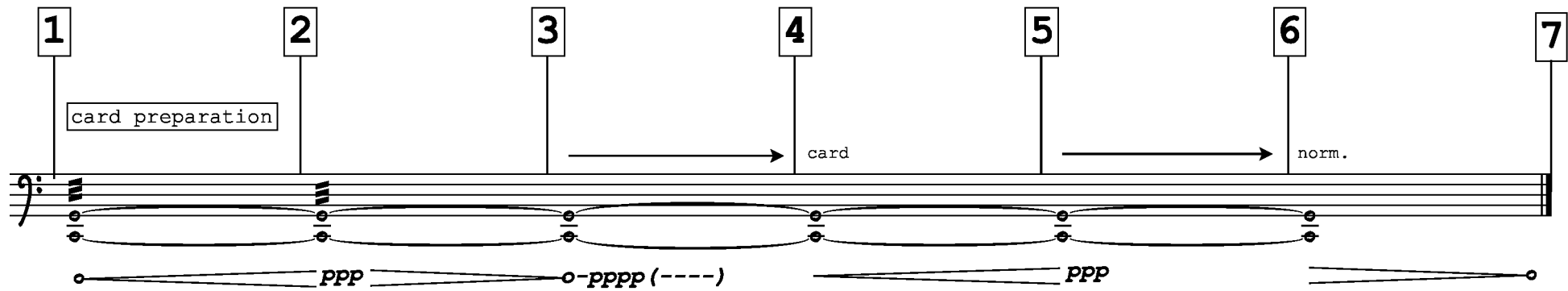
James Saunders



geometria situs

cello (44)

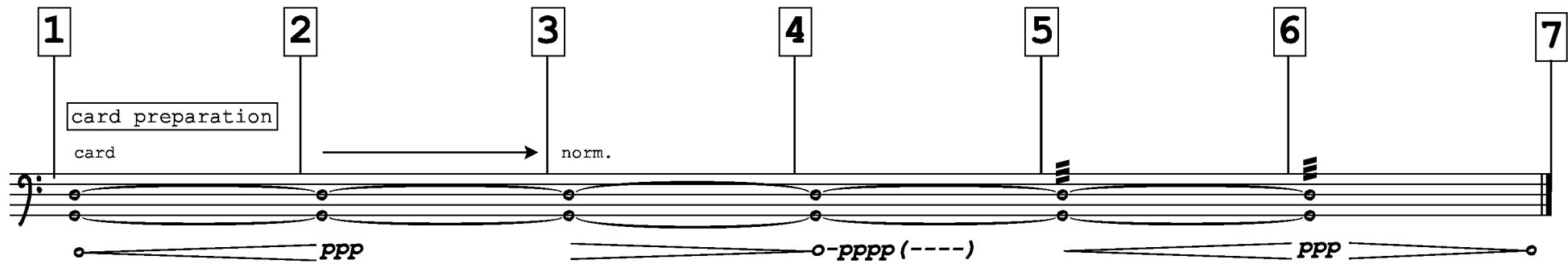
James Saunders



geometria situs

cello (45)

James Saunders



geometria situs

cello (46)

James Saunders

1 2 3 4 5 6 7

card preparation

card

norm.

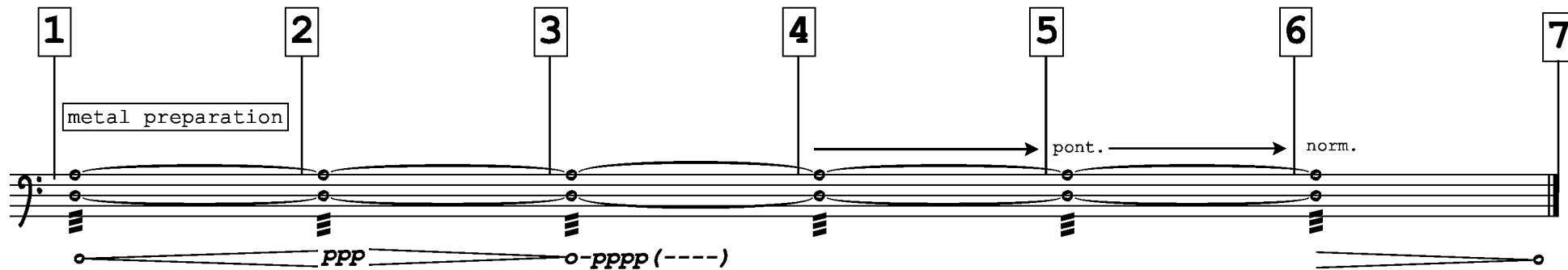
ppp

pppp (----)

geometria situs

cello (47)

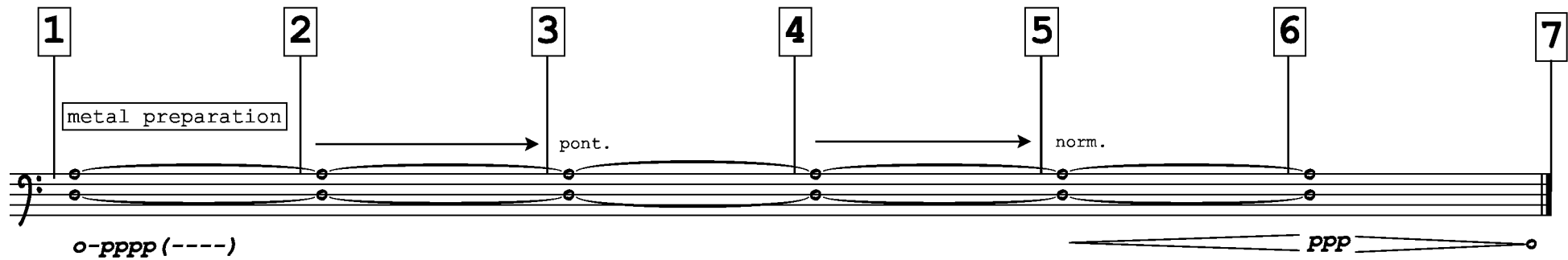
James Saunders



geometria situs

cello (48)

James Saunders



geometria situs

cello (49)

James Saunders

musical score for cello, measures 1 through 7. The score is written on a single staff with a bass clef. Above the staff, measures 1 through 7 are numbered in boxes. A box labeled "metal preparation" is positioned above measure 1. The notation includes various dynamic markings and articulation symbols:

- Measure 1: *o-pppp (-----)*
- Measure 2: *ppp*
- Measure 3: *o-pppp (-----)*
- Measure 4: *ppp*
- Measure 5: *o-pppp (-----)*
- Measure 6: *ppp*
- Measure 7: *ppp*

The score also features several slurs and accents (double vertical lines) indicating specific performance techniques.

geometria situs

cello (50)

James Saunders

1

2

3

4

5

6

7

metal preparation

o-pppp (-----)

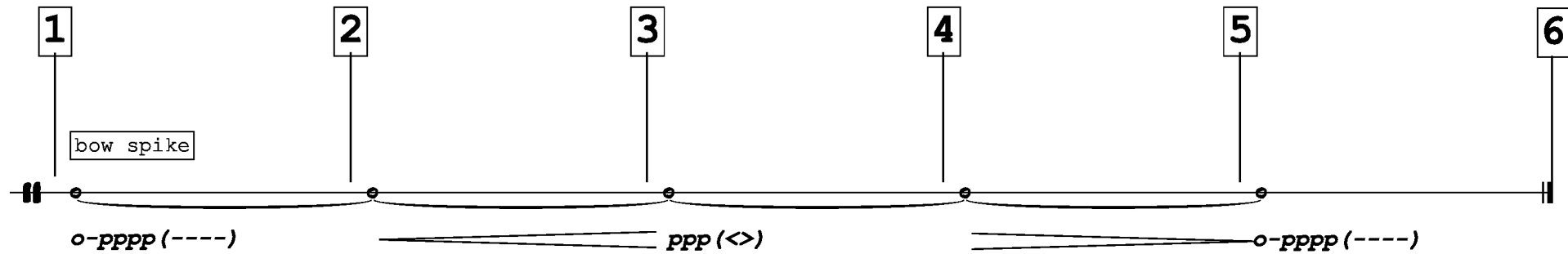
ppp

o-pppp (-----)

geometria situs

cello (51)

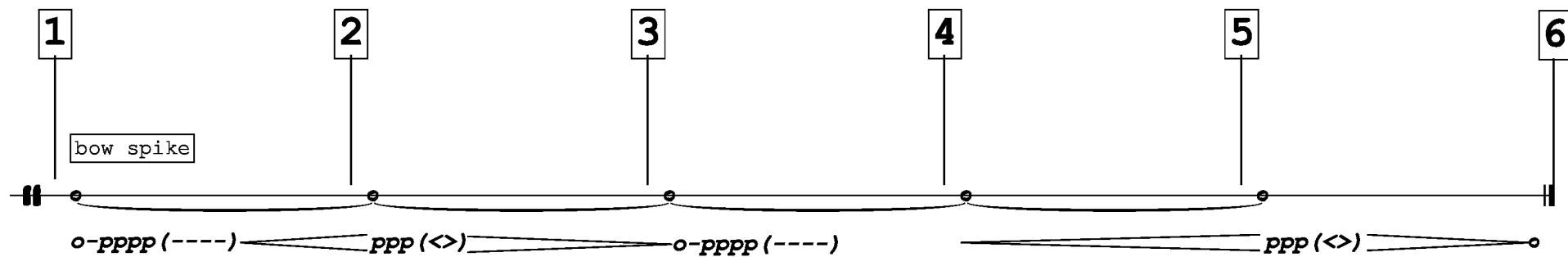
James Saunders



geometria situs

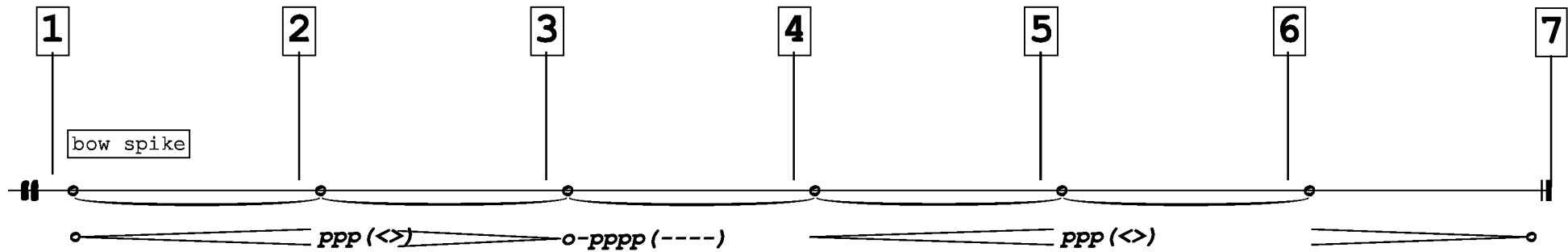
cello (52)

James Saunders



cello (53)

James Saunders



geometria situs

cello (54)

James Saunders

musical score for cello, measures 1 through 7. The score is written on a single staff with a bass clef. Above the staff, measures 1 through 7 are indicated by numbered boxes. A "mute" instruction is placed above measure 1. The notes are as follows: Measure 1: half note, G2; Measure 2: half note, G2; Measure 3: half note, G2; Measure 4: half note, G2; Measure 5: half note, G2; Measure 6: half note, G2 with a sharp sign (#); Measure 7: half note, G2. Performance instructions are written below the staff: "o-pppp (-----)" under measure 1, "ppp (<>)" under measure 2, "o-pppp (-----)" under measure 5, and a final note under measure 7. Slurs connect the notes in measures 1-2, 2-3, 3-4, 4-5, and 5-6.

geometria situs

cello (55)

James Saunders

1 2 3 4 5 6 7

mute

pont

o-pppp (-----)

ppp (< >)

The musical score is written on a single staff in bass clef. It consists of seven measures, each marked with a number in a box above the staff. Measure 1 begins with a 'mute' instruction in a box. The notes in each measure are connected by a long horizontal line with diamond-shaped markers at each measure boundary. Below the staff, there are three performance markings: 'o-pppp (-----)' under measure 1, 'ppp (< >)' under measures 3 and 4, and a final marking under measure 7. An arrow labeled 'pont' points from measure 4 to measure 5.

geometria situs

cello (56)

James Saunders

musical score for cello, measures 1-7. The score is written on a single staff with a bass clef. The notes are: Measure 1: C2 (marked with a '1' in a box and a 'mute' instruction); Measure 2: C2; Measure 3: C#2 (marked with a '3' in a box); Measure 4: C#2 (marked with a '4' in a box); Measure 5: C2 (marked with a '5' in a box); Measure 6: C#2 (marked with a '6' in a box); Measure 7: C2 (marked with a '7' in a box). The notes are connected by a long horizontal line. The dynamic marking *o-pppp (-----* is present at the beginning of the staff.

geometria situs

cello (57)

James Saunders

1 2 3 4 5 6 7

mute

ppp (<>)

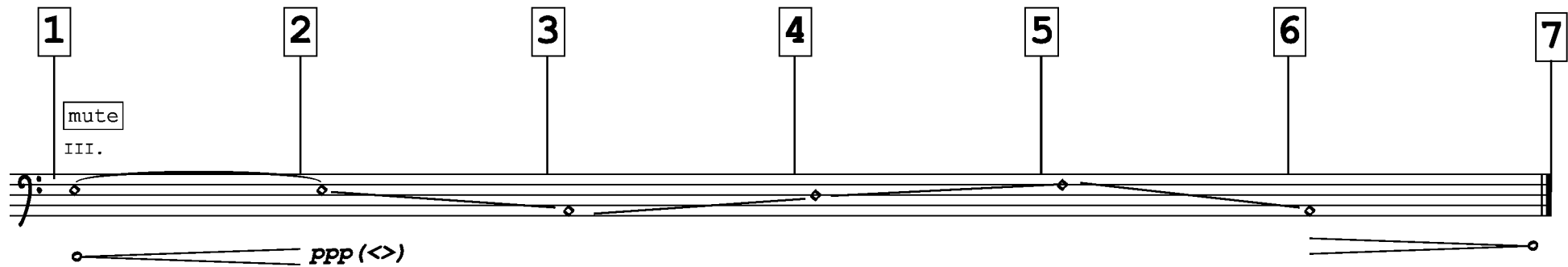
pppp (-----)

Detailed description: This is a musical score for cello, measures 1 through 7. The notation is on a single staff with a bass clef. Above the staff, measures 1 through 7 are indicated by numbered boxes. A 'mute' instruction is placed above measure 1. The score features two long, curved lines with diamond-shaped markers at measures 1, 2, 3, 4, 5, 6, and 7. The first line, labeled *ppp (<>)*, starts at measure 1 and ends at measure 4. The second line, labeled *pppp (-----)*, starts at measure 4 and ends at measure 7. The notes are written as half notes with stems. The first line has a sharp sign before the first note. The second line has a sharp sign before the first note. The notes are written as half notes with stems. The first line has a sharp sign before the first note. The second line has a sharp sign before the first note.

geometria situs

cello (58)

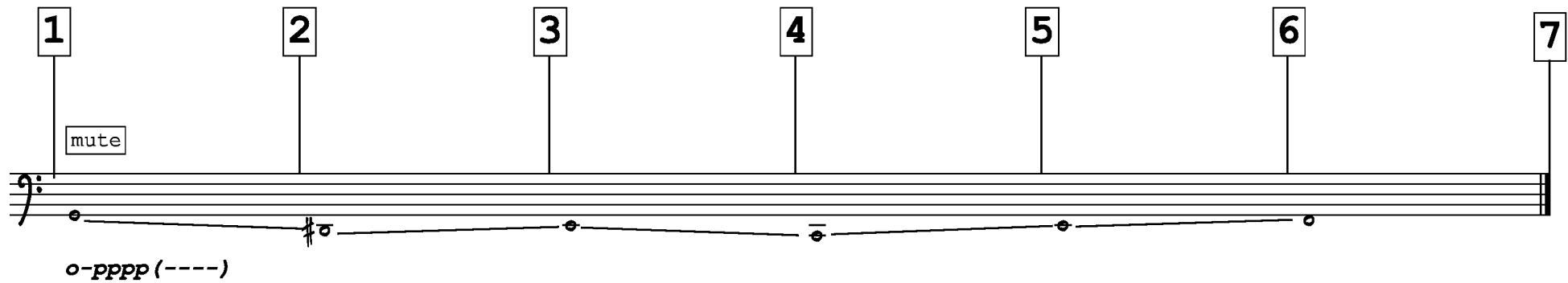
James Saunders



geometria situs

cello (59)

James Saunders



1 2 3 4 5 6 7

mute

o-pppp (----)

geometria situs

cello (60)

James Saunders

1

2

3

4

5

6

mute

ppp (<>)

geometria situs

double bass (1)

James Saunders

1 2 3 4 5 6

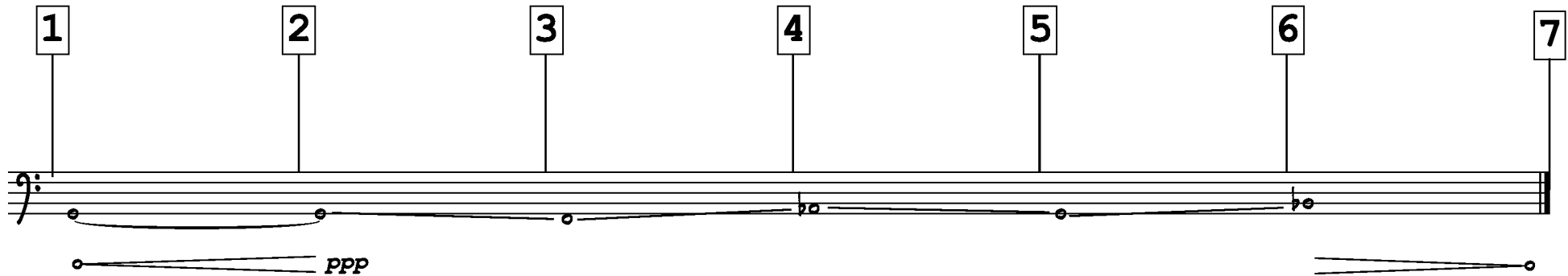
pont. norm.

o-pppp (----) *ppp*

geometria situs

double bass (2)

James Saunders



geometria situs

double bass (3)

James Saunders

1 2 3 4 5 6 7

o-pppp (-----)

geometria situs

double bass (4)

James Saunders

1

2

3

4

5

6

7

pont.

o-pppp (----)

geometria situs

double bass (5)

James Saunders

1 2 3 4 5 6 7

o-pppp (-----)

ppp (<>)

ppp (<>)

geometria situs

double bass (6)

James Saunders

1 2 3 4 5 6 7

o-pppp (-----) *ppp (< >)* *o-pppp (-----)*

geometria situs

double bass (7)

James Saunders

1 2 3 4 5 6

pont.

o-pppp (-----) *ppp (<>)* *o-pppp (-----)*

geometria situs

double bass (8)

James Saunders

1 2 3 4 5 6

ppp (<>)

geometria situs

double bass (3)

James Saunders

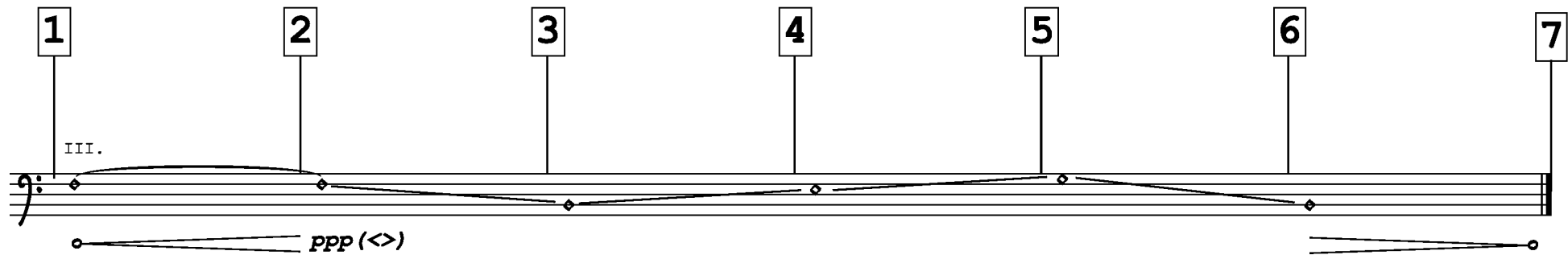
1 2 3 4 5 6 7

o-pppp (-----)

geometria situs

double bass (10)

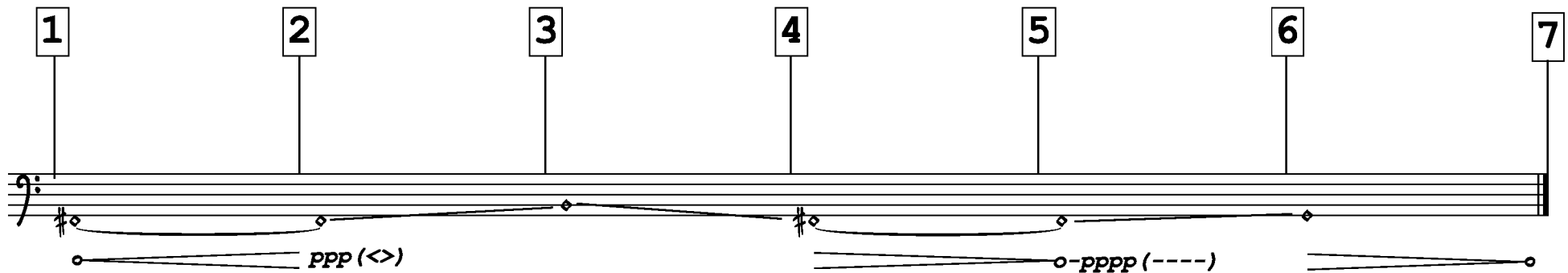
James Saunders



geometria situs

double bass (11)

James Saunders



geometria situs

double bass (12)

James Saunders

1 2 3 4 5 6 7

o-pppp (----)

geometria situs

double bass (13)

James Saunders

1 2 3 4 5 6 7

o-pppp (-----)

pont

ppp (<>)

geometria situs

double bass (14)

James Saunders

1 2 3 4 5 6 7

I.

o-pppp (----)

ppp (< >)

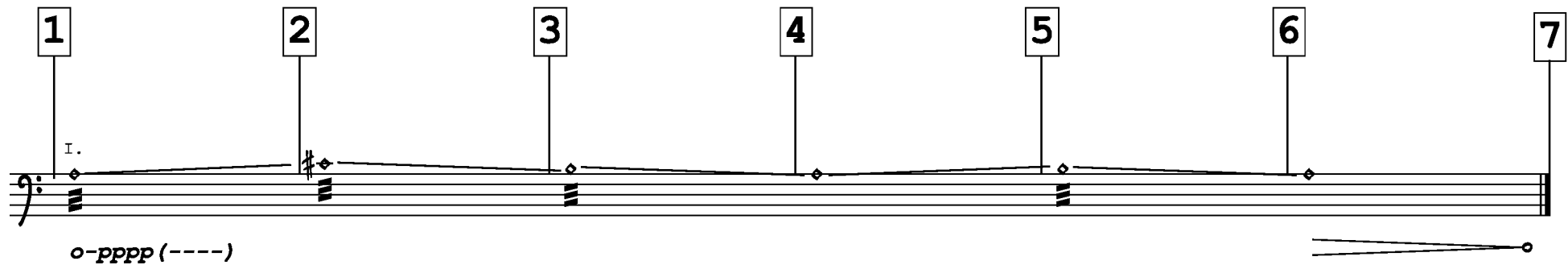
pppp (----)

ppp (< >)

geometria situs

double bass (15)

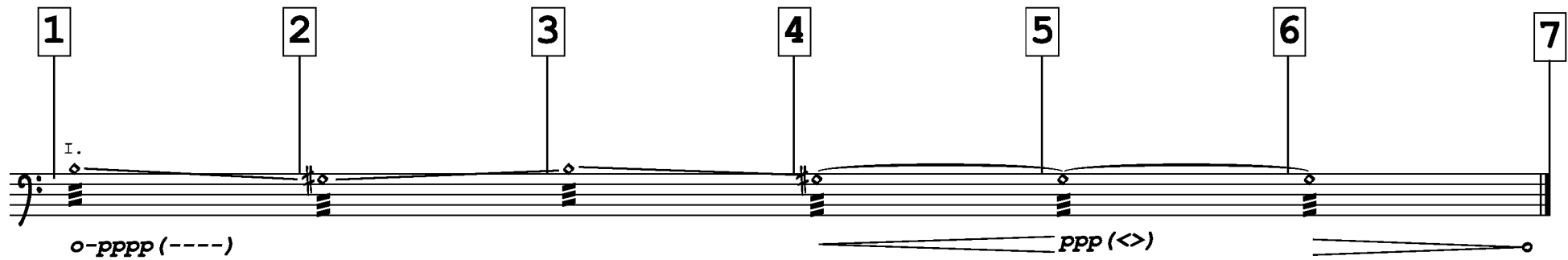
James Saunders



geometria situs

double bass (16)

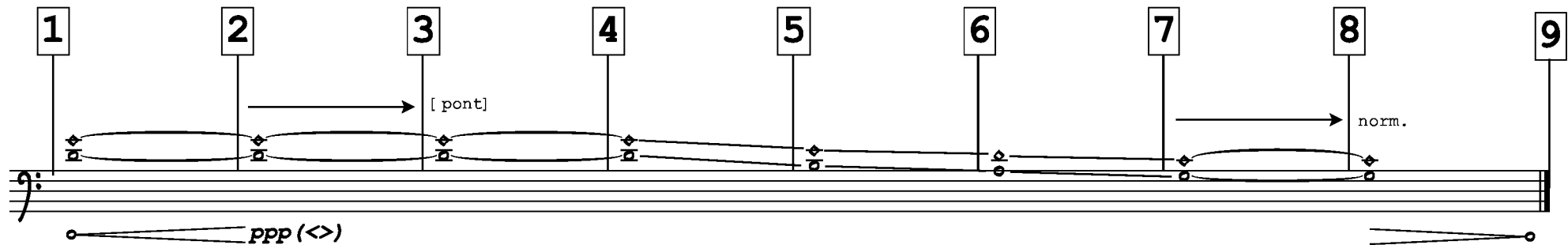
James Saunders



geometria situs

double bass (17)

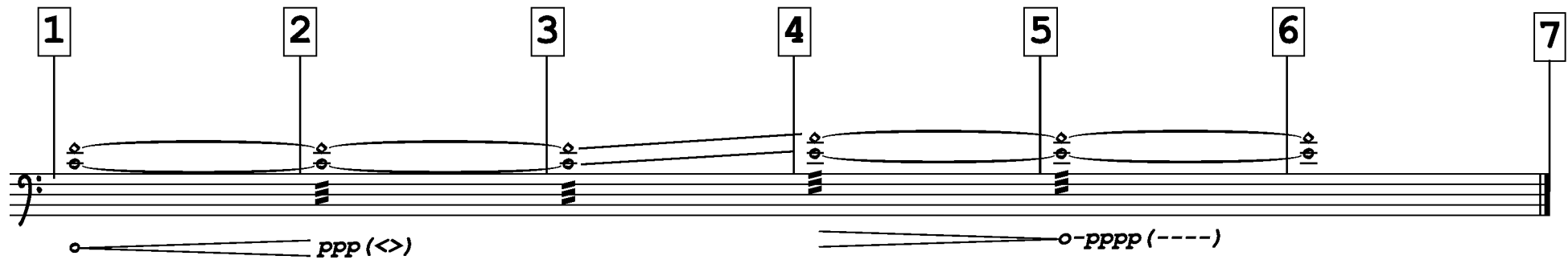
James Saunders



geometria situs

double bass (18)

James Saunders



geometria situs

double bass (19)

James Saunders

1 2 3 4 5 6 7 8

[pont]

o-pppp (----)

ppp (< >)

geometria situs

double bass (20)

James Saunders

The musical score is written on a single staff with a bass clef. It consists of seven numbered measures (1-7) with various musical notations including notes, rests, and dynamic markings.

Measure 1: *o-pppp (-----)*

Measure 2: *ppp (< >)*

Measure 3: *ppp (< >)*

Measure 4: *ppp (< >)*

Measure 5: *ppp (< >)*

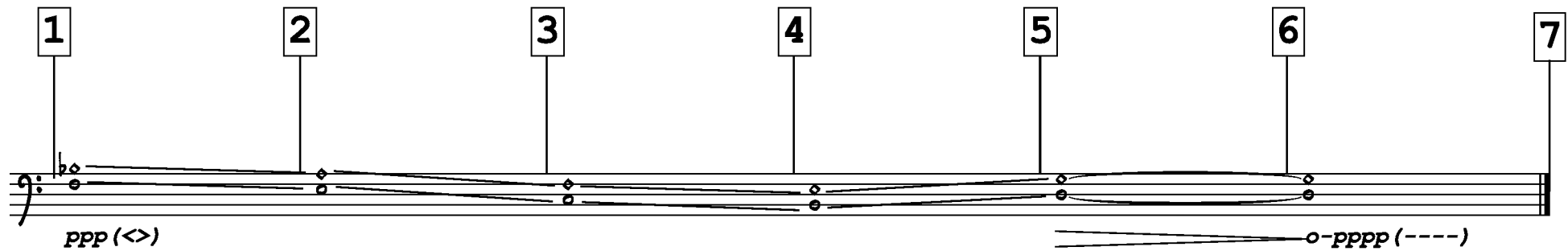
Measure 6: *ppp (< >)*

Measure 7: *o-pppp (-----)*

geometria situs

double bass (21)

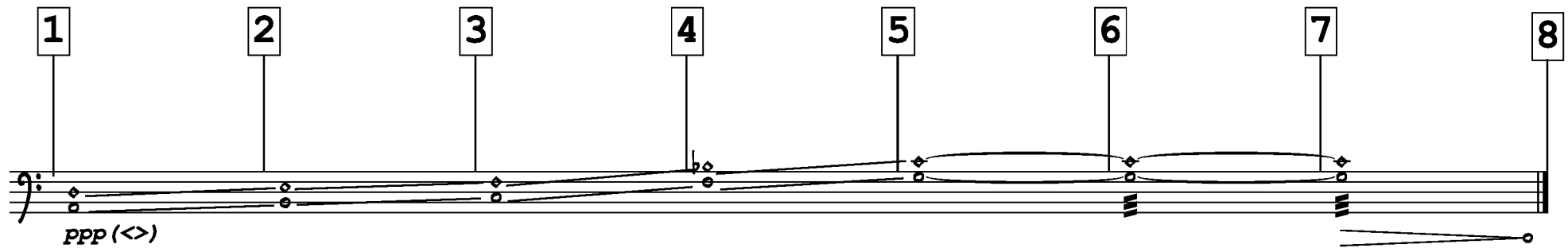
James Saunders



geometria situs

double bass (22)

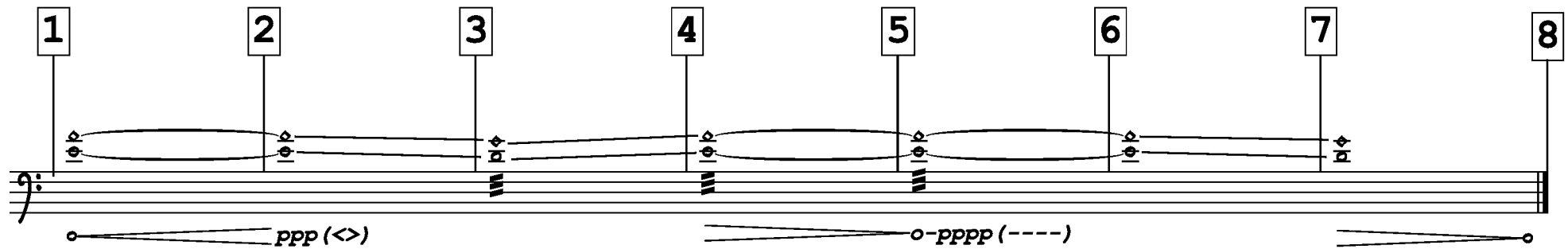
James Saunders



geometria situs

double bass (23)

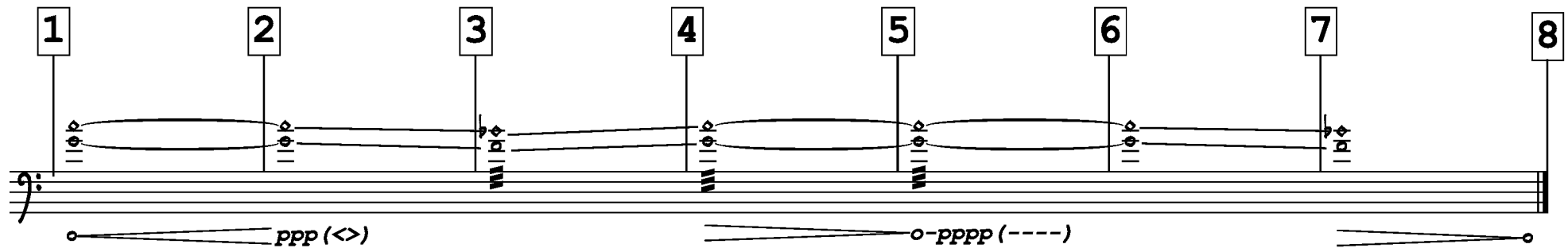
James Saunders



geometria situs

double bass (24)

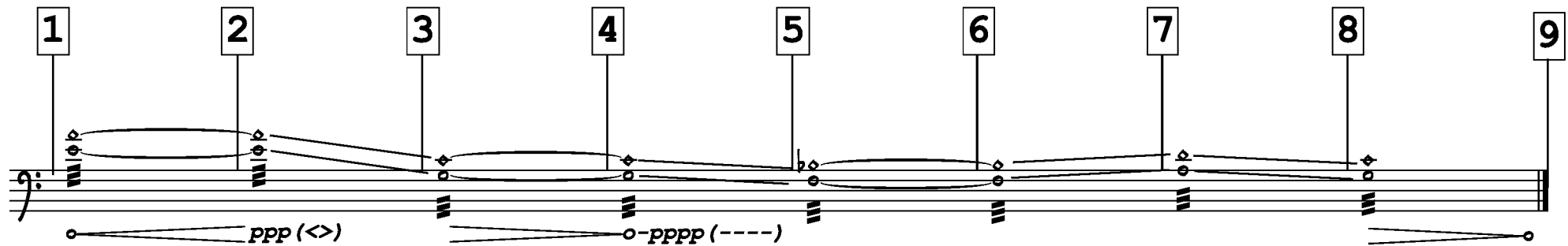
James Saunders



geometria situs

double bass (25)

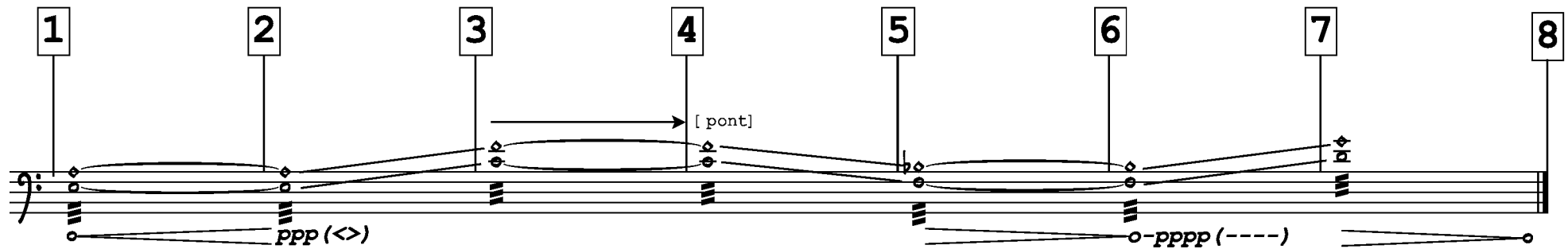
James Saunders



geometria situs

double bass (26)

James Saunders



geometria situs

double bass (27)

James Saunders

1 2 3 4 5 6 7

[damp] —————

pont. —————

tasto. —————

pont. —————

o-pppp (----)

ppp (< >)

geometria situs

double bass (28)

James Saunders

1 2 3 4 5 6 7

[damp] -----

tasto. ----- pont.

o-pppp (----) ppp (< >) o

geometria situs

double bass (29)

James Saunders

1 2 3 4 5 6 7

[damp]

ppp (< >) o-pppp (----) ppp (< >) o-pppp (----)

geometria situs

double bass (30)

James Saunders

1 2 3 4 5 6 7

[damp] -----

o-pppp (----)

pont.

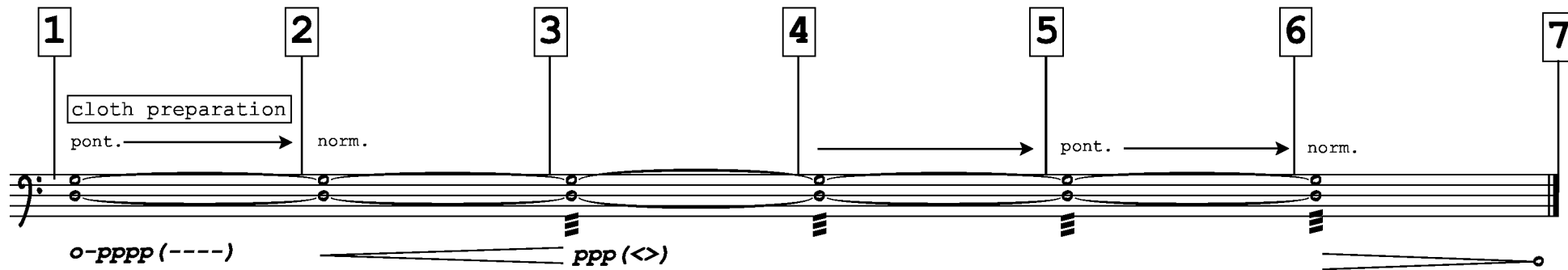
tasto.

ppp (<>)

geometria situs

double bass (31)

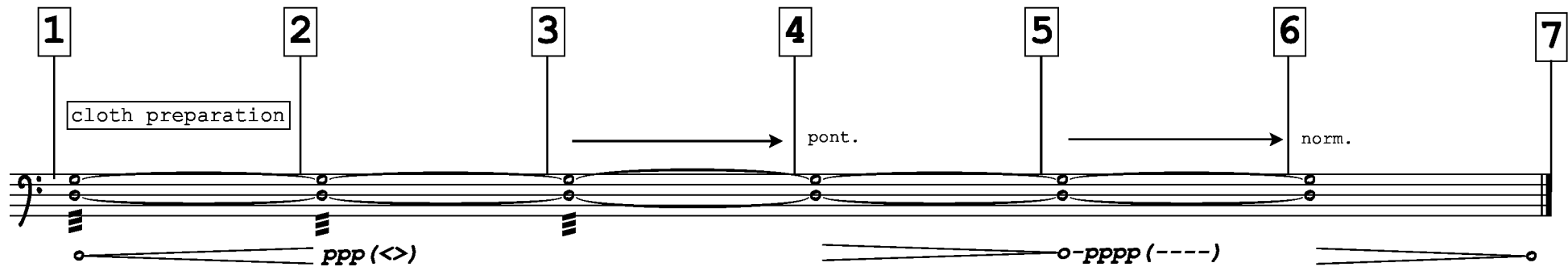
James Saunders



geometria situs

double bass (32)

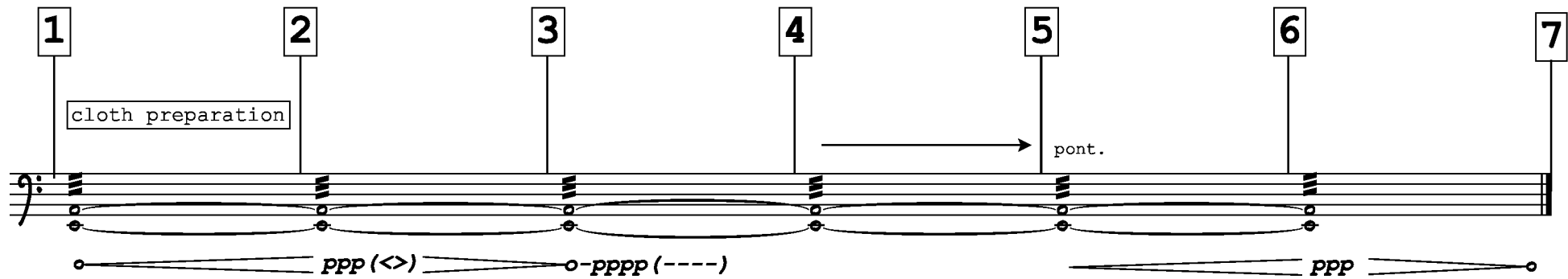
James Saunders



geometria situs

double bass (33)

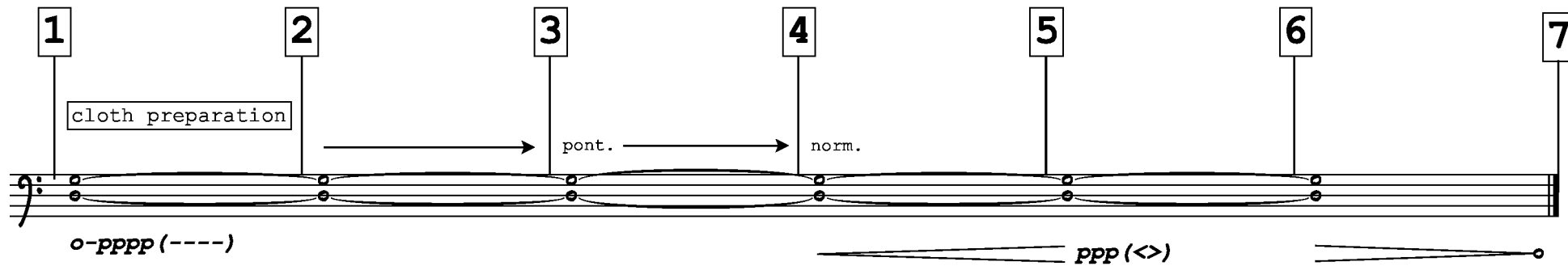
James Saunders



geometria situs

double bass (34)

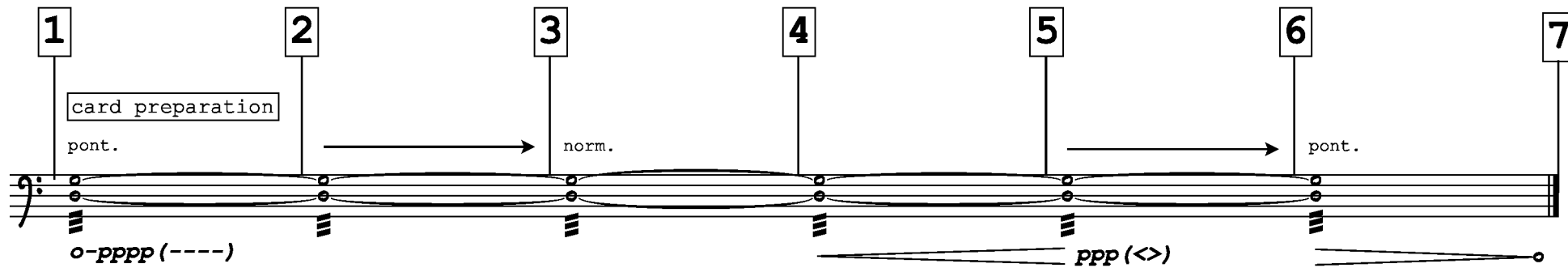
James Saunders



geometria situs

double bass (35)

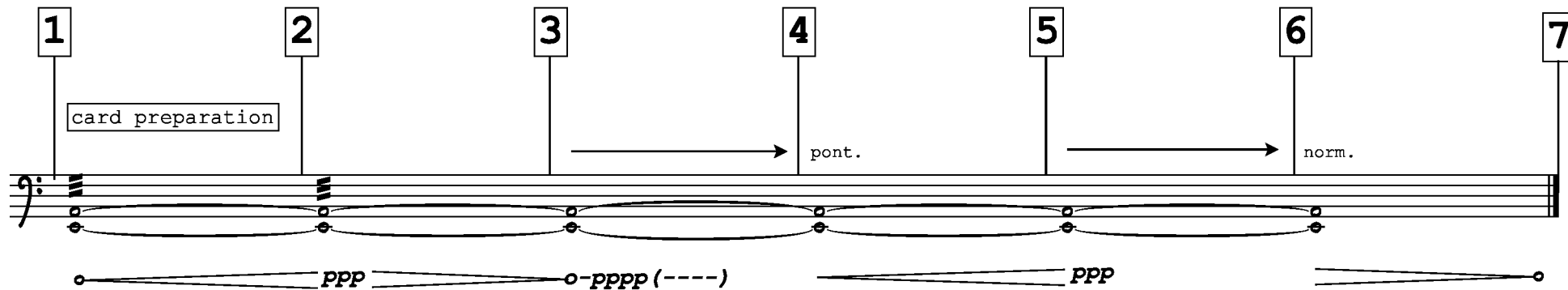
James Saunders



geometria situs

double bass (36)

James Saunders



geometria situs

double bass (37)

James Saunders

1

2

3

4

5

6

7

card preparation

pont.

norm.

ppp

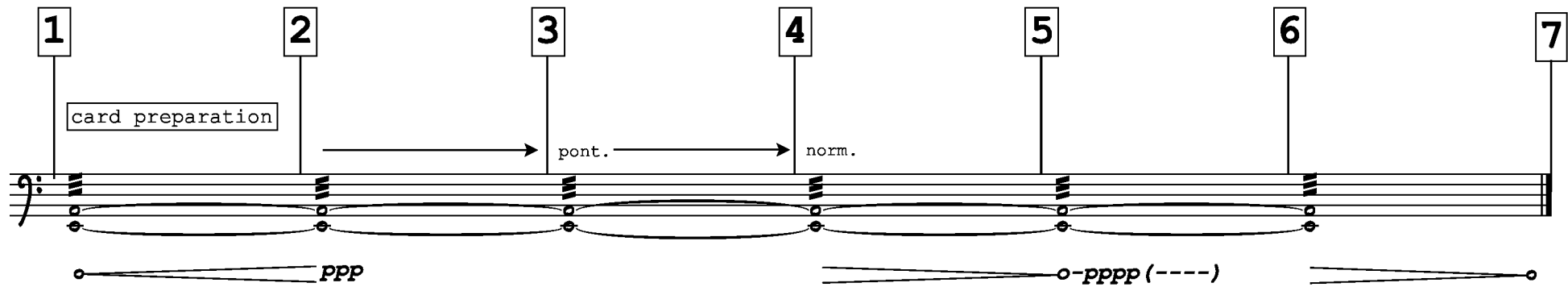
pppp (----)

ppp

37

double bass (38)

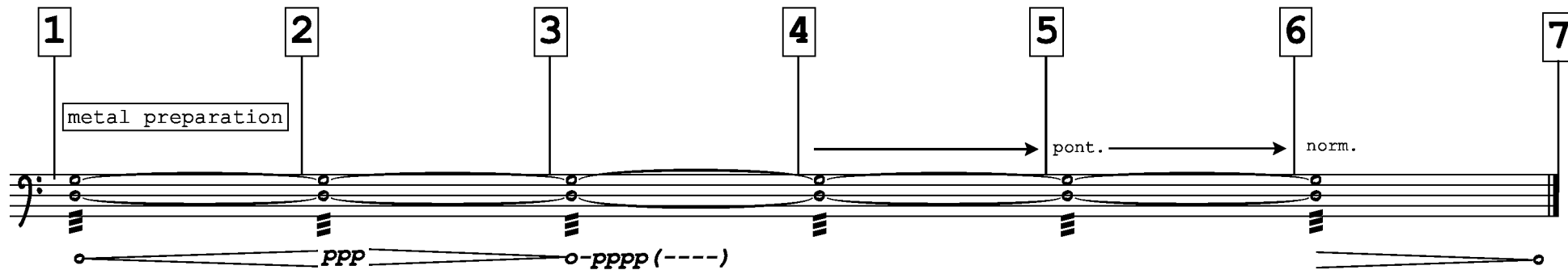
James Saunders



geometria situs

double bass (39)

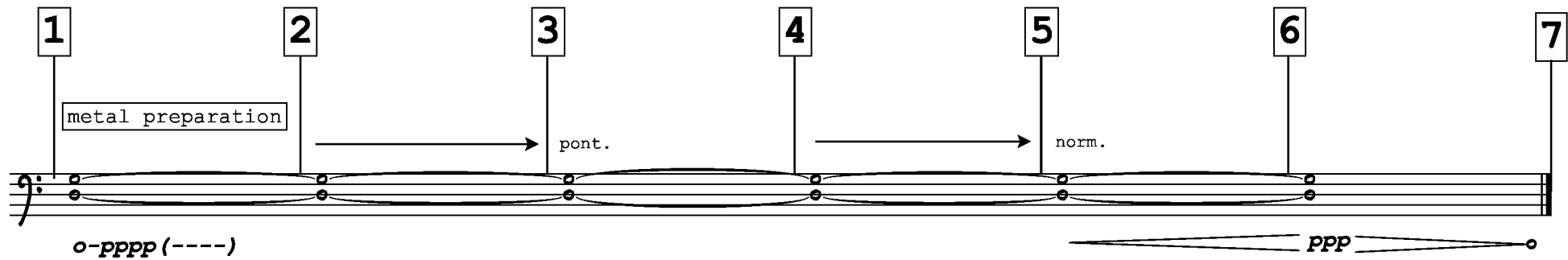
James Saunders



geometria situs

double bass (40)

James Saunders



geometria situs

double bass (41)

James Saunders

1 2 3 4 5 6 7

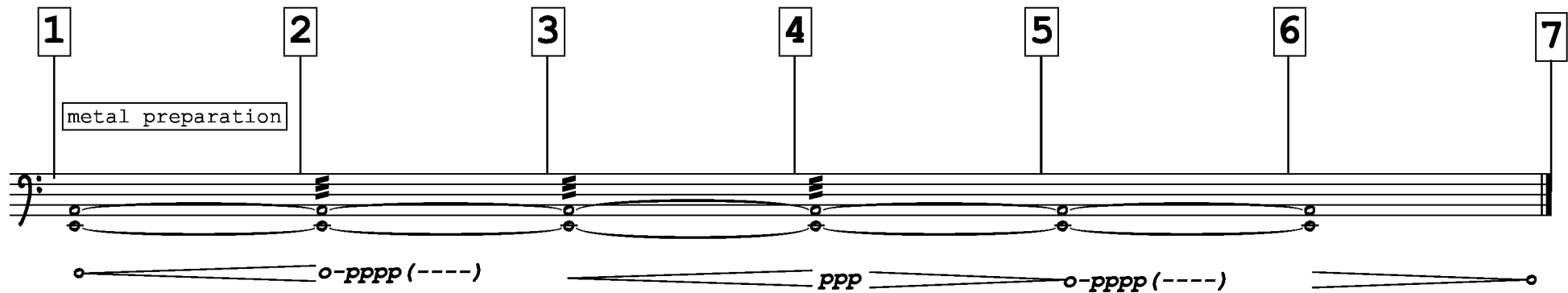
metal preparation

o-pppp (-----) *ppp* *o-pppp (-----)*

geometria situs

double bass (42)

James Saunders



geometria situs

double bass (43)

James Saunders

1

2

3

4

5

6

mute

pont.

o-pppp (<>)

ppp (<>)

o-pppp (----)

geometria situs

double bass (44)

James Saunders

The musical score is written for double bass and consists of seven measures, each marked with a number in a box above the staff. The notation includes a bass clef, a key signature of one sharp (F#), and a 4/4 time signature. The notes are half notes, and the dynamics are indicated by text below the staff.

Measure 1: **mute** (in a box), *o-pppp (-----)*

Measure 2: *ppp (< >)*

Measure 3: *ppp (< >)*

Measure 4: *ppp (< >)*

Measure 5: *ppp (< >)*

Measure 6: *ppp (< >)*

Measure 7: *ppp (< >)*

The score is characterized by its minimalist notation and the use of dynamic markings to indicate the intensity of the sound. The notes are half notes, and the dynamics range from *pppp* (pianissimo) to *ppp* (pianissimo).

geometria situs

double bass (45)

James Saunders

1

2

3

4

5

6

7

mute

o-pppp (----)

ppp (<>)

geometria situs

double bass (46)

James Saunders

